

20000714.qrp v01_n882.qrl.20000714

Date: Fri, 14 Jul 2000 19:03:06 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1882

QRP-L Digest 1882

Topics covered in this issue include:

- 1) [75029] FOX: log from AE2T
by Mike Gipe <mgipe@reliablemeters.com>
- 2) [75030] Re: CW Software
by Doug Simpson <dsimpson@darkwing.uoregon.edu>
- 3) [75031] Unstable Sierra module - suggestions?
by VE3JC - John C <jbcumming@wwdc.com>
- 4) [75032] Storm Conditions & FOXhunts
by "Paul Harden, NA5N" <na5n@rt66.com>
- 5) [75033] BUMBLE BEE GROUNDED
by S LYON <sslyon@worldnet.att.net>
- 6) [75034] Long-Ramsey SX-20 review
by "Dan Wanchic" <wa8vzq@cloudnet.com>
- 7) [75035] It Finally Came (DSW-20)!
by Quinn Farnes <quinn_farnes@yahoo.com>
- 8) [75036] Fox is running
by W1R0@aol.com
- 9) [75037] Re: Fox is running
by tom palmer <n1tp@worldnet.att.net>
- 10) [75038] FOX seen in ND
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 11) [75039] FOX: HUNT THREE - Tom in TX - N5TW
by tom palmer <n1tp@worldnet.att.net>
- 12) [75040] Fox
by "Kenneth Wilson" <kg4big@mindspring.com>
- 13) [75041] [RE]#3 Summer FOX tonight--N5TW
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 14) [75042] BUMBLE BEE GROUNDED
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 15) [75043] Re: Unstable Sierra module - suggestions?
by Phil Wheeler <w7ox@earthlink.net>
- 16) [75044] Re: TOPO MAPS ON LINE
by "Ed, AC5DC" <ac5dc@ipa.net>
- 17) [75045] Got the Fox
by ABCQRP <w6abc@yahoo.com>
- 18) [75046] (Fwd) Re: TOPO MAPS ON LINE
by "Ed, AC5DC" <ac5dc@ipa.net>
- 19) [75047] Re: Got the Fox

by "John J. McDonough" <wb8rcr@arrl.net>
20) [75048] FOX: NEWS ALERT! SWAMP RATS SWEEP!
by tom palmer <n1tp@worldnet.att.net>
21) [75049] FOX: NEWS ALERT! SWAMP RATS SWEEP!
by tom palmer <n1tp@worldnet.att.net>
22) [75050] fox #2
by hamjoel@juno.com
23) [75051] Re: Got the Fox
by "George , W5YR" <w5yr@att.net>
24) [75052] FOX ran in his hole early?
by "Stephen M. King" <frastephen@home.com>
25) [75053] Re: fox #2
by "George , W5YR" <w5yr@att.net>
26) [75054] FOX: Thanks Pesky Texan Tom, N5TW
by Lew Paceley <lew@paceley.com>
27) [75055] Fox: Arggggh!!!
by "Tom Whiteside" <n5tw@igg-tx.net>
28) [75056] Re: Unstable Sierra module - suggestions?
by Dave Redfearn <n4elm@home.com>
29) [75057] BUMBLE BEE CALENDAR CHALLENGED
by S LYON <sslyon@worldnet.att.net>
30) [75058] Project update - RS 22-503 Power Supply
by Dave Redfearn <n4elm@home.com>
31) [75059] Re: It Finally Came (DSW-20)!
by Quinn Farnes <quinn_farnes@yahoo.com>
32) [75060] Fox: Sheepish fox!
by "Tom Whiteside" <n5tw@igg-tx.net>
33) [75061] Re: Fox: Sheepish fox!
by tom palmer <n1tp@worldnet.att.net>
34) [75062] QRP Retro Mods
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
35) [75063] Super-Regen Info from C. Kitchen
by mjfitz@uswest.net
36) [75064] Fox Hunt #3
by "Glenn Maclean" <glennmaclean@ix.netcom.com>
37) [75065] Project Update - Black Widow support (long)
by Dave Redfearn <n4elm@home.com>
38) [75066] Washing PC boards (Was: Confession : I use acid flux)
by Makos327@aol.com
39) [75067] FOX: What a Fox
by "Terry Bassett" <mutabut@net66.com>
40) [75068] FOXL Zulu Time - Oh, how elusive she be!
by tom palmer <n1tp@worldnet.att.net>
41) [75069] Re: FOXL Zulu Time - Oh, how elusive she be!
by Shephed@aol.com
42) [75070] Ethernet Thicknet Cable
by Peter_Simpson@ne.3com.com
43) [75071] Touchy trimer caps

by Michael Neverdosky <mneverdosky@earthlink.net>
44) [75072] Re: Higher Antennas
by "Steve/n0tu" <n0tu@webaccess.net>
45) [75073] Windom made of twinlead...good results so far
by WB9MII@aol.com
46) [75074] Re: Windom made of twinlead...good results so far
by "Steve/n0tu" <n0tu@webaccess.net>
47) [75075] BLT Notes
by Chuck Ludinsky <cjl@mitre.org>
48) [75076] Twinlead Windom...details
by WB9MII@aol.com
49) [75077] unsubscribe w1ki@arrl.org
by "Irwin, Wayne, W1KI" <wirwin@arrl.org>
50) [75078] Re: Confession : I use acid flux
by "Larry Acklin" <larrya@compu-fixinc.com>
51) [75079] N6BV re topo maps on line
by S LYON <sslyon@worldnet.att.net>
52) [75080] 2 outta 3
by W1R0@aol.com
53) [75081] RE: Toroidal core?
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
54) [75082] RE: Confession : I use acid flux
by Dave Barrett <DBarrett@creo.com>
55) [75083] RE: Ladderline
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
56) [75084] OT:QRPArci.org offline?
by JP <jdanter@mail.i-america.net>
57) [75085] Re: Fox: Sheepish fox!
by Monte Stark <ku7y@dri.edu>
58) [75086] RE: Question about radials
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
59) [75087] *HUGE* X6 FLARE!
by "Paul Harden, NA5N" <na5n@rt66.com>
60) [75088] HB: PCB case.
by Shephed@aol.com
61) [75089] Re: *HUGE* X6 FLARE!
by "George , W5YR" <w5yr@att.net>
62) [75090] Re: Got the Fox
by Monte Stark <ku7y@dri.edu>
63) [75091] RE: FOXL Zulu Time - Oh, how elusive she be!
by carlos.caro@lmco.com
64) [75092] FOX: 1999-2000 winter foxhunt tally
by Mike Gipe <mgipe@reliablemeters.com>
65) [75093] FOX: Tally Woe
by "Franco, Nicholas J" <franco@bnl.gov>
66) [75094] Re: FOXL Zulu Time - Oh, how elusive she be!
by Monte Stark <ku7y@dri.edu>
67) [75095] Re: *HUGE* X6 FLARE!

by Mike <mmorrow@companet.net>
68) [75096] WTB = ZM-1 tuner
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
69) [75097] Re: *HUGE* X6 FLARE!
by Chris Trask <ctrask@primenet.com>
70) [75098] Re: Confession : I use acid flux
by Monte Stark <ku7y@dri.edu>
71) [75099] Re: *HUGE* X6 FLARE!
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
72) [75100] Re: *HUGE* X6 FLARE!
by "George , W5YR" <w5yr@att.net>
73) [75101] Re: *HUGE* X6 FLARE!
by "George , W5YR" <w5yr@att.net>
74) [75102] Re: *HUGE* X6 FLARE!
by "Rod, N0RC" <n0rc@qsl.net>
75) [75103] Re: *HUGE* X6 FLARE!
by "John L. Sielke" <n4js@pobox.com>
76) [75104] Geomagnetic storm #2 arrives
by "Paul Harden, NA5N" <na5n@rt66.com>
77) [75105] Re: *HUGE* X6 FLARE!
by wb2vuo@juno.com
78) [75106] K1: BoomBox & Mojo to go...
by Radman <radman@best.com>
79) [75107] Networks?
by "George , W5YR" <w5yr@att.net>
80) [75108] TR Circuit Question
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
81) [75109] RE: Networks?
by Richard Powell <ripowell@mpna.com>
82) [75110] Help! Ten-tec 1340 build problem!
by "M0CQG" <m0cqg@dial.pipex.com>
83) [75111] FOX: Preliminary results for N 5 Time Wrong
by "Tom Whiteside" <n5tw@igg-tx.net>
84) [75112] help w/ HQ 145 reciever
by "jimmie newburry" <jnewburry@hotmail.com>
85) [75113] Re: Help! Ten-tec 1340 build problem!
by PDouglas12@aol.com
86) [75114] Re: Help! Ten-tec 1340 build problem!
by "M0CQG" <m0cqg@dial.pipex.com>
87) [75115] Re: Help! Ten-tec 1340 build problem!
by "M0CQG" <m0cqg@dial.pipex.com>
88) [75116] Re: ANT: Ladderlin
by hattonte@gdls.com
89) [75117] OT: Kudos to Yaesu
by "Dave Benham" <dodgeboy@mindspring.com>
90) [75118] Run for the Trees
by "Marshall Emm" <mgemm@mttechnologies.com>
91) [75119] DSW rig modifications

- by John AE5X <ae5x@juno.com>
 92) [75120] More radial questions
 by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
 93) [75121] 1/2 wave on multibands
 by ARDUJENSKI@aol.com
 94) [75122] AT Alert-Maine
 by "Steven Weber" <kd1jv@moose.ncia.net>
 95) [75123] Re: More radial questions
 by Shepherd@aol.com
 96) [75124] Re: Help! Ten-tec 1340 build problem!
 by NB6M@aol.com

 Date: Thu, 13 Jul 2000 16:13:56 -0700
 From: Mike Gipe <mgipe@reliablemeters.com>
 To: "QRP-L list (E-mail)" <qrp-l@Lehigh.edu>
 Subject: [75029] FOX: log from AE2T
 Message-ID: <F988E2FF74F4D111A61F00A0C949D7A9417602@mission>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"

Summer Foxhunt 7-9-00 14.060+- CW 2000 FOXHUNT NUMBER TWO AE2T

Time	QSO#	Call	RPT	NAME	QTH	QRP-L	Pts
20:00	1	N4ROA	599	DAN	VA	970	1
20:01	2	W0CH	599	DAVE	MO	618	1
20:02	3	AJ4Y	599	PAUL	FL	1795	1
20:03	4	N5TW	599	TOM	TX	1474	1
20:04	5	N5ZE	569	LEW	TX	2179	1
20:05	6	K5JHP	599	BILL	YX	825	1
20:07	7	NQ7X	559	FLOYD	AZ	343	1
20:08	8	K0EVZ	599	DOC	ND	861	1
20:08	9	K5AAR	559	DON	OK	1512	1
20:10	10	AJ4AY	559	JAY	AL	1372	1
20:11	11	N1TP	579	TOM	FL	1317	1
20:13	12	KB9BVN	599	BRIAN	IN	1540	1
20:14	13	K5LN	559	BILL	TX	1794	1
20:17	14	WD9IFF	599	WOODY	IL	5W	1
20:18	15	W8DIZ	599	DIZ	OH	1998	1
20:19	16	K5DI	569	KARL	NM	3W	1
20:20	17	WB6JBM	579	RICK	OH	1118	1
20:23	18	W7QQQ	559	JACK	AZ	1210	1

20:24	19	NV4V	599	PETE	KY	1721	1	
20:26	20	K7TQ	569	RANDY	ID	102	1	
20:27	21	N1FN	559	ET	CO	153	1	
20:29	22	AC7AC	599	RON	OR	5W	1	
20:29	23	AC7AX	599	JIM	WA	5W	1	
20:30	24	N5UW	599	CLIFF	OK	478	1	
20:31	25	KU4AF	579	JOHN	NC	987	1	
20:34	26	NM5M	559	ERIC	TX	1824	1	
20:35	27	N5IB	559	JIM	LA	1913	1	
20:36	28	KK6MC	559	JIM	NM	411	1	
20:37	29	W0AV	599	GEORGE	MO	1866	1	
20:38	30	K5DW	559	DON	TX	2083	1	
20:39	31	WJ1R	559	LARRY	CO	2137	1	
20:42	32	W7ILW	559	HOWARD	AZ	2010	1	
20:44	33	KC1FB	549	JIM	CT	29	1	
20:45	34	NN5B	559	JERRY	TX	(?)	1	
20:47	35	K1QM	559	JOEL	MA	337	1	
20:36	36	KA9TXE	579	TERRY	IL	5W	1	
20:52	37	KQ0I	559	MARK	IA	625	1	
20:53	38	W3CD	559	BOB	CA	238	1	
20:54	39	WS4S	559	CONARD	YN	993	1	
20:55	40	K4LL	599	JOE	KY	5W	1	
20:57	41	W1CFI	559	PAUL	MA	5W	1	
20:58	42	AF4PP	559	CHUCK	GA	1785	1	
21:00	43	VE5RC	239	BRUCE	SK	886	1	
21:01	44	HP1AC	569	CAMILO	PN	5W	1	
21:02	45	K6VNX	559	ARLEN	CA	5W	1	
21:04	46	K4GZZ	579	KARL	GA	5W	1	
21:05	47	AE9F	339	DAN	CA	5W	1	
21:08	48	W5YR	559	GEO	TX	1373	1	
21:09	49	WB0HQV	599	JIM	MO	2100	1	
21:13	50	WE7G	???	WAYNE	UT	481	1	
21:23	51	NK7M	559	BOB	AZ	271	1	
21:25	52	N6MM	559	HARVEY	CA	5W	1	
21:26	53	VA6RF	559	EARL	AB	1076	1	
21:28	54	KM5VY	339	TOM	NM	1592	1	
21:31	55	NI0A	549	JOHN	NM	4W	1	
21:35	56	NF0R	559	DAVE	MO	33	1	
21:37	57	WD5CMA	559	GLORIA	LA	5W	1	(XYL of N5IB)
21:40	58	AF4LQ	599	MIKE	KY	1395	1	

21:42	59	N4SO	599	KEN	AL	622	1
21:47	60	W4MVZ	559	?	FL	100W(?)	0(?) CLub Call
21:54	61	W5YW	559	MIKE	LA	5W	1
21:58	62	W7MD	559	DAMON	AZ	2190	1
22:00	63	AA0B	559	ROY	MO	5W	1

ADD: 64 as AE2T - the FOX in HUNT NUMBER TWO

Date: Thu, 13 Jul 2000 16:26:43 -0700 (PDT)
 From: Doug Simpson <dsimpson@darkwing.uoregon.edu>
 To: David Heintzleman <pstrdave@kdsi.net>
 Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
 Subject: [75030] Re: CW Software
 Message-ID: <Pine.GS0.4.21.0007131622380.28404-100000@darkwing.uoregon.edu>
 MIME-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII

The Mac Morse program I like best (and I've tried every one I've seen so far) is MorseTrainer (version 1.1.1). It's small, freeware, and doesn't get in your way if you want to practice the way I (IMHO) believe is best: I use the "random text" feature (with Farnsworth spacing) and add new characters one at a time to the pool it draws from until I know them all.

One place to find it:

<ftp://ftp.demon.co.uk/pub/ham/mac/MorseTrainer.sea.hqx>

Best of luck to your charge!

Doug Simpson, WA7SKY
 (in and around Eugene, Oregon)

On Wed, 12 Jul 2000, David Heintzleman wrote:

> does anyone know of software I can use to help a youngster learn cw on a
 > MAC computer? something uncomplicated, not as big as Morse
 > University??
 >
 > thanks
 > Dave K8BBM
 >

Date: Thu, 13 Jul 2000 19:26:28 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, QRP-CANADA <qrp-canada@lists.gpfn.sk.ca>
Subject: [75031] Unstable Sierra module - suggestions?
Message-ID: <396E5024.DEB20F2@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a 10m Wilderness Sierra module that has been "dead" since I got it used and preassembled some months ago. I finally got around to using the scope to try to tune it up and bring it to life.

What I'm now encountering is this: After tweaking and fiddling with turns spacing on the toroids, I'm getting about a watt out (as verified by the WM-2 and the scope). However, it intermittently switches between a watt and about 100 mWatts - I key it once, and it's a watt, I key it again, and it's 100 mW ! I haven't found any suspect solder joints, etc., and output from other band modules is stable.

Does anyone have any thoughts on what I could try???

Thanks in advance, and 72, John VE3JC

Date: Thu, 13 Jul 2000 17:32:36 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-1@lehigh.edu
Subject: [75032] Storm Conditions & FOXhunts
Message-ID: <Pine.SUN.4.10.10007131715410.20401-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Solar activity today was high with 5 M-class flares. This causes several periods of 20-10M disruptions for the DURATION of the flare events. Some of these flares hurled more stuff towards the earth that *may* arrive late on July 16th.

Solar flux is also quite high, at 232 today.

The big effect today, however, was the MAJOR geomagnetic storm for most of today, with SEVERE storm conditions in the higher latitudes. This was caused by the shock wave of tuesday's X class flare, arriving on planet earth about 5am EDT. The effects of this storm are now subsiding. Sometime tomorrow morning, the 2nd shock wave (from yesterday's X2 flare) will arrive and stir things up again.

Today's major geomagnetic storm saw K-index from 5 to 7; high D-layer absorption seemed to taper off around 12-15 MHz, keeping 20M pretty much unaffected. Currently (8pm EDT) K=2 for pretty much normal conditions right now, until the next shock hits tomorrow. So, most of the poor conditions occurred while most of us were at work, leaving the bands fairly normal for us this evening :-)

TONIGHT'S FOXHUNT should see normal conditions on 20M. In fact, after a geomagnetic storm, band conditions are often very quiet and stable, so it would be a good night tonight to try and work that FOX.

SUNDAY's FOXHUNT also should see fairly normal band conditions. Even with shockwaves from today's M-class flares, triggering even a minor to major geomagnetic storm, it shouldn't effect 20M much.

With a good shockwave tomorrow, it will keep things stirred up enough for possible auroral activity down into the northern and central U.S. states Friday night, and to a lesser extent tonight. Tonight's prediction for aurora shows it extending just into the northern tier of states.

If tomorrow's shockwave hits in the morning, it will be much like today ... pretty much over with by the time we get home from work, and most of the people on this list will say "What storm? What the heck is that guy talking about?"

72, Paul NA5N

Date: Thu, 13 Jul 2000 19:35:51 -0400
From: S LYON <sslyon@worldnet.att.net>
To: chat qrp <qrp-1@Lehigh.EDU>
Subject: [75033] BUMBLE BEE GROUNDED
Message-ID: <396E5257.34417399@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alas and alack...
yet still I hack and wheeze
at outrageous fortune!
for 'tis damned pneumonia that
allows me not to join the bees
this time atop Mount Beacune.

o.k., bad parody -and bad luck. Got nailed by a bug >> pneumonia. just

enough oomph to handle potty trips and e-mail -at least for the next few days. I'll be listening from home. GO GET 'EM!

72

-s-

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Thu, 13 Jul 2000 16:02:05 -0500
From: "Dan Wanchic" <wa8vzq@cloudnet.com>
To: <qrp-l@Lehigh.Edu>
Subject: [75034] Long-Ramsey SX-20 review
Message-ID: <000301bfed24\$4811e0c0\$74f1ddcc@MBDJW493.agl.faa.gov>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello gang,

Sometime back, a list member asked if anyone had experience with the Ramsey SX-20. I sent a private response but figured that since I did not see any other responses to the list I should post my short, not real technical review.

I owned one of the SX-20's for several years...in short, it is not a bad little radio with some exceptions... Considering some of the features like digital frequency and keyer speed readout and direct digital synthesis with two VFO's it has potential to be a wonderful rig but it doesn't live up to its potential. The most frequent comment I would make about it was that "it wasn't the greatest radio in the world but it was a whole lot better than anything that has came out of my garage shop so far (of my own design)"...If I had the time, I could grow a better one...but economies of scale & time have to be considered...

I would honestly say however that if I had spent any where near the \$300-400 range that they are asking for it I would have been very disappointed. Fortunately, I was able to get mine for very close to nothing. Through a little luck and some horse trading, mine cost me less than \$50 and it was brand new and factory built to hoot...

It does have a few bugs, some significant others not.

Significant bugs:

First bug: there was interference coupled from the multiplexed front panel

LED's back to the antenna port. The result was that as you tuned the radio, you would hear "musical" noise. The noise was bad enough that it also made the rx sensitivity seem to be lower than one would expect (it was a little less than 1 microvolt).

It took me a long time to figure out a solution (the tech support boys at Ramsey were clueless). But this was in 95-96, perhaps they now have a better handle on the rig and its quirks...they did however try to help...My tests determined that the multiplexing noise was being conducted by the metal case. I finally determined that if I isolated the ground side of the antenna connector from the metal chassis, the noise dropped to nearly inaudible.

My high technology solution was to remove the SO-239 and replace it with a BNC connector that was mounted on a piece of fiber board to isolate it from ground. The rx sensitivity then got down into the -130 dBm range for MDS (point at which the signal rises 3 dB above the noise floor). Around -120 dBm something for 10 dB S/N maybe a little lower...seems to me that S-1 was around -114 dBm...(these figures are from memory...) anyways, it was much, much better...the noise was occasionally heard but it was not a significant factor from that point forward...

Second bug: One that I did not work on but should be simple to solve was the attack time of the ALC time constant was too long for CW. This problem only appeared when I tried to reduced the CW power of the rig from the normal 10 watts down into the less than 5 watt area (using the ALC). The signal as observed on an o'scope while sending a string of dits or dahs would start out large and then decay down to the lower, set level, once the ALC stepped. There was no noticeable problem on SSB. I had a couple of solutions in mind but never moved on any.

Minor bugs:

Another interesting quirk about the ALC showed up when the antenna SWR grew much more than 2:1. The transmitted power display on SSB normally would go from 0 LED's illuminated with when keyed and no voice & to peak along with the voice peaks. With a higher SWR , the lower LED's would start to light with the rig keyed but no modulation.

There are two vfo's but no memory despite what the ad says...the rig vfo's start up on 14.100 and 14.200 if I remember correctly...on power reset, they forget where they were...the keyer defaults to 13 wpm...it has a feature that spells out "73" on the display and sends it out the speaker in CW at power up - cute at first but well...very annoying after a while

The WWV feature is worthless...the unit switches to the 10hz step mode so trying to tune in WWV is painfully slow...

The fuse holder was an inexpensive, in-line type, floating loose within the radio...I couldn't imagine having to dissassemble the rig to change a blown

fuse...I drilled a hole in the back panel and installed a high quality, chassis mount holder...

The circuit board was not a high quality green glass epoxy board, it was a very inexpensive one...obviously a Ramsey but it works. The front panel switches are inexpensive membrane - they appeared to a future problem waiting to happen although I did not experience any.

I replaced the knobs - they were very, very cheap... The manual is not worth a hoot...written as if they are addressing someone in elementary school...the schematics are adequate and can be easily enlarged.

Other comments:

The keyer worked great. The sidetone was injected after the volume control so the level didn't vary which made it too hot sometimes depending upon where the volume control was set at. The RX is NE602 based...The IF uses an MC1350 and the IF filter is a 6 xtal type...The PA uses two MOSFETs and a MOSFET driver...

There is an optional CW filter that I did not own...it is a switched cap filter that plugs into a socket on the main PC board...

But once you get passed all the little quirks, it works fine! I used it in a portable operation from Oklahoma City a few years back with an indoor dipole antenna on SSB...I worked over 60 contacts in one weekend, all US except for a KG4...49 contacts were in the California QSO party (in 98 I think)...scored first in OK...but then again, I was the only one submitting a log from OK ;-))...had a lot of good reports though...

Was able to work NN50CIA, 50th anniversary station for the CIA on first call...got a 5X6...had a few non-contest 5X8's but mostly 5X5's to 5X7's...

On CW, first contact was an XE5...second a W6 both with good reports...both were made at full power...I did not put it on the air with the ALC cranking the power back, otherwise it worked ok on CW...not full break-in...less than optimal designed time constant circuit for the transmit hang time...uses a 7400 nand gate and a resistor/cap...I know that they could have done better...

Bottom line, technically, wasn't the greatest rig in the world but definitely have used & seen a lot worse...I would say there is a lot of potential in this rig but from a personal perspective it is not on top of the heap when spending \$300-\$400...there are a lot of better valued rigs available...it does have a lot of advanced features...but considering that QRP+ type rigs show up for sale in the same price range, it would be difficult to justify buying a new one...probably why there aren't a lot out there...

If it was priced more competitively to MFJ single band SSB rigs it could be a good choice...perhaps \$250 in kit form... or if it had better physical quality such as in the Radio Shack HTX-100 to justify a higher price...that would put it in a

different category.

>From a practical perspective, I worked a lot of people with it...all in portable operation with indoor dipoles...it does work and I did get good reports...most contacts were surprised that I was running 15-20 watts PEP...(I did measure power out using an HP8920A but I only did so using the mic, I did not do two tone IMD or single tone PEP tests)

I sent a couple of emails to Ramsey regarding items I thought should be changed like having the VFO's power up on the CW and SSB QRP calling frequencies etc...never received any response.

I eventually traded mine for another rig and \$80...so I estimated it to be worth about \$150-160 as a fair used price...

That's about it...if you have any questions, I'll be glad to respond ;-))...I am a digest reader though so it may take time a few days ...

Hope this helps...

Dan
St. Cloud, MN

-- -- -- -- -- WA8VZQ since 1967 -- -- -- -- --
Federal Aviation Administration -- -- Electronics Technician
ex-Nuclear Emergency Search Team (NEST) 1977 - 1981
-- -- -- NEST Three Mile Island Response Team -- -- --
-- -- -- ex-ACA-15, WAR-30, KAL-24, KZ5VZ -- -- --

-- -- -- -- -- WA8VZQ since 1967 -- -- -- -- --
Federal Aviation Administration -- -- Electronics Technician
ex-Nuclear Emergency Search Team (NEST) 1977 - 1981
-- -- -- NEST Three Mile Island Response Team -- -- --
-- -- -- ex-ACA-15, WAR-30, KAL-24, KZ5VZ -- -- --

Date: Thu, 13 Jul 2000 16:51:55 -0700 (PDT)
From: Quinn Farnes <quinn_farnes@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [75035] It Finally Came (DSW-20)!
Message-ID: <20000713235155.24072.qmail@web4101.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

When I got home today I opened a battered red white and
blue Priority Mail package and inside, neatly packaged and
shielded by lots of "popcorn" was my long-awaited DSW-20,

or parts for the construction thereof.

I'm so jazzed, I just had to tell ya!

Quinn
WB6TDC
Laguna Beach, CA
QRP-L #765

=====
end

Do You Yahoo!?
Get Yahoo! Mail Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Thu, 13 Jul 2000 20:40:16 EDT
From: W1R0@aol.com
To: qrp-l@lehigh.edu
Subject: [75036] Fox is running
Message-ID: <25.84c6e05.269fbb70@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Fox heard running at 0030Z

Date: Thu, 13 Jul 2000 20:47:41 -0400
From: tom palmer <n1tp@worldnet.att.net>
To: W1R0@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75037] Re: Fox is running
Message-ID: <396E632D.7CD753FE@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:

Is this the "real" hunt or a "pre-hunt demonstration"
that doesn't count until 0100 through 0300 Zulu?

Tom, N1TP

Naples, FL.
QRP-L Number 1317

W1R0@aol.com wrote:

> Fox heard running at 0030Z

Date: Thu, 13 Jul 2000 19:35:42 -0500
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [75038] FOX seen in ND
Message-ID: <200007140035.AA00557@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

The Fox was coming in 559 here. Like a damfool, I couldn't find nor remember the exchange info, but was 559 to him with 250 mW. Maybe not a pelt, but at least I got a tail! :-)

72/73,

Todd, AG0T

Date: Thu, 13 Jul 2000 21:08:00 -0400
From: tom palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [75039] FOX: HUNT THREE - Tom in TX - N5TW
Message-ID: <396E67F0.7C0BBDBA@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tom, N5TW, a "Pesky Texan" is on the air as FOX NUMBER 3 with BIG signal all around it seems. He's working U.S. and Canada big time.

HOUNDS: GET HIM!

Cheers,

Tom, N1TP
Naples, FL.

Date: Thu, 13 Jul 2000 21:10:41 -0400
From: "Kenneth Wilson" <kg4big@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75040] Fox
Message-ID: <011201bfed30\$56383300\$4f2856d1@oemcomputer>

Not sure if the pre 0100 q counted so made another just in case.

Nice to be back on the list

73 Ken KG4BIG

Date: Thu, 13 Jul 2000 21:19:48 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:n1tp@worldnet.att.net" <n1tp@worldnet.att.net>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [75041] [RE]#3 Summer FOX tonight--N5TW
Message-ID: <200007132120_MC2-AC2C-AEAA@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Tom:

Bagged the FOX at 0047 with 400 mw and the big loop. He was booming in here, which was what Paul NA5N has predicted earlier =3D very good conditions possible on 20 Metres. Rig was the K2.

I heard Paul and you bag him, also. Wonder how the rest of the team has done?

72/73,
--W.D. (Doc) Lindsey

DSBF
PO Box 6028
Bismarck, ND 58506
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail =3D K0EVZ@arrl.net

Date: Thu, 13 Jul 2000 21:19:47 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:sslyon@worldnet.att.net" <sslyon@worldnet.att.net>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [75042] BUMBLE BEE GROUNDED
Message-ID: <200007132120_MC2-AC2C-AEA8@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Seab:

Well hope you will be *much improved* by Sunday, 30 July :-). Would be a=

better hunt if you could be in there, also. =

I will be set up at Ft. Lincoln, on the west bank of the Missouri River
south of Mandan, ND. Will set up an Inverted WYE and run the SST-20.

72/73,

--W.D. (Doc) Lindsey
DSBF
PO Box 6028
Bismarck, ND 58506
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail =3D K0EVZ@arrl.net

Date: Thu, 13 Jul 2000 18:23:17 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: jbcumming@wwdc.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75043] Re: Unstable Sierra module - suggestions?
Message-ID: <396E6B85.97C1B28D@earthlink.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

VE3JC - John C wrote:

>
> I have a 10m Wilderness Sierra module that has been "dead" since I got
> it used and preassembled some months ago. I finally got around to using
> the scope to try to tune it up and bring it to life.
> What I'm now encountering is this: After tweaking and fiddling with
> turns spacing on the toroids, I'm getting about a watt out (as verified
> by the WM-2 and the scope). However, it intermittently switches between
> a watt and about 100 mWatts - I key it once, and it's a watt, I key it
> again, and it's 100 mW ! I haven't found any suspect solder joints,
> etc., and output from other band modules is stable.
> Does anyone have any thoughts on what I could try???

John,

I've always thought the Sierra to be a bit "on the edge" above 15 meters. In fact, those modules were not offered originally, and 15 is the highest I've gone.

One thought: Use some contact cleaner and make sure the band modules and socket contacts are really clean.

Another: Spin the trimmers in that module and then realign it.

Good luck!

Phil

Date: Thu, 13 Jul 2000 20:30:46 -0500
From: "Ed, AC5DC" <ac5dc@ipa.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [75044] Re: TOPO MAPS ON LINE
Message-ID: <200007140130.UAA19762@postoffice5.ipa.net>

Actually the lat and long is shown at the top of the screen for the center of the displayed map. You can center the map by clicking on a spot on the map. This refreshes the screen with the point of interest in the center.

Ed, AC5DC

Greenwood, AR

Yes, but too bad they don't show Lat Long.

Art

> Anyone doing a terrain analysis can find topographic maps for the entire
> U.S. at
> <http://www.topozone.com> The 1:25000 even shows my humble
abode on it.
>
> Joe K1JN

Date: Thu, 13 Jul 2000 18:38:13 -0700 (PDT)
From: ABCQRP <w6abc@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [75045] Got the Fox
Message-ID: <20000714013813.4573.qmail@web2105.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Bagged him at 0133. Pounding into Oakland at 599.
Fox number 2 for this hunter, using the K2.
73,
Jack W6ABC K2 #322 QRP#2193

Do You Yahoo!?
Get Yahoo! Mail Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Thu, 13 Jul 2000 20:41:42 -0500
From: "Ed, AC5DC" <ac5dc@ipa.net>
To: qrp-1@Lehigh.EDU
Subject: [75046] (Fwd) Re: TOPO MAPS ON LINE
Message-ID: <200007140144.UAA13531@postoffice6.ipa.net>

Actually the lat and long is shown at the top of the screen for the center of the displayed map. You can center the map by clicking on a spot on the map. This refreshes the screen with the point of interest in the center.

Ed, AC5DC
Greenwood, AR

Yes, but too bad they don't show Lat Long.

Art

> Anyone doing a terrain analysis can find topographic maps for the entire
> U.S. at
> <http://www.topozone.com> The 1:25000 even shows my humble
abode on it.
>
> Joe K1JN

----- End of forwarded message -----

Ed, AC5DC
Greenwood, AR
<http://www.qsl.net/ac5dc>
<http://www.hamsnet.net/ac5dc>

Date: Thu, 13 Jul 2000 21:46:18 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75047] Re: Got the Fox
Message-ID: <[031101bfed35\\$4f1ccb80\\$010044c0@Conor.baycty1.mi.home.com](mailto:031101bfed35$4f1ccb80$010044c0@Conor.baycty1.mi.home.com)>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Listened around on the vertical and I could barely hear him. Figured no fox
tonite. Just for grins, plugged in the dipole, which ain't worth a darn to
Texas, and he was just pounding in. Got him on the second call with the
NC-20.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Thu, 13 Jul 2000 21:49:58 -0400
From: tom palmer <n1tp@worldnet.att.net>

To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [75048] FOX: NEWS ALERT! SWAMP RATS SWEEP!
Message-ID: <396E71C6.99B40A03@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's been confirmed on ABC, NBC & CBS News, CCN and MSNBC:

The "Swamp Rats" have a SWEEP in Hunt number THREE.

Thanks, Tom, N5TW, one of them "Pesky Texans!"

It's congrats to:

AJ4Y - Paul
K0EVZ - Dox
NV4V - Pete
AF4PS - Mac
&
yours truly,

N1TP - Tom

Naples, FL.
QRP-L 1317

Date: Thu, 13 Jul 2000 21:50:14 -0400
From: tom palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [75049] FOX: NEWS ALERT! SWAMP RATS SWEEP!
Message-ID: <396E71D6.9F2E3FDB@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's been confirmed on ABC, NBC & CBS News, CCN and MSNBC:

The "Swamp Rats" have a SWEEP in Hunt number THREE.

Thanks, Tom, N5TW, one of them "Pesky Texans"!

It's congrats to:

AJ4Y - Paul

K0EVZ - Dox
NV4V - Pete
AF4PS - Mac
&
yours truly,

N1TP - Tom

Naples, FL.
QRP-L 1317

Date: Thu, 13 Jul 2000 21:47:44 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [75050] fox #2
Message-ID: <20000713.214842.-201705.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Using SPECTROGRAM to zero the FOX and split operation to Zero the hound
on Spectrogram... I got the FOX...0135Z

nICE signal into maine...FOX was working a good split and the
spectrogram program sure made it easier to find out where he was
answering people...

If u would like to use the program (freeware) look up spectrogram on the
web or someone else might have the exact details... sure makes zeroing in
on someone a breeze...and I find it very useful in everyday operation...

Jay sry I missed U... let's try again...

in fox heaven

ke1la 2207

maine

peaux displaced cajun lad

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Thu, 13 Jul 2000 20:55:25 -0500
From: "George , W5YR" <w5yr@att.net>
To: wb8rcr@arrl.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75051] Re: Got the Fox
Message-ID: <396E730D.1A7F52A1@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yeah, weird propagation tonight. The last thing you would ever expect to hear near Dallas at 8 PM on a summer evening on 20 meters would be a station near Austin - just too close.

AT 8 PM, Tom was barely there and I was ready to hang it up. But I kept listening and calling and in just a few minutes he started coming up. Finally, at 0131 the miracle happened and two microscopic electromagnetic fields got together - Fox #2 for the Summer

I also started on the vertical but finally switched to the 40-meter horizontal loop at 20 ft.

Thanks, Tom, and thanks to the committee who started all this fun.

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
(12/99)

"John J. McDonough" wrote:

>
> Listened around on the vertical and I could barely hear him. Figured no fox
> tonite. Just for grins, plugged in the dipole, which ain't worth a darn to
> Texas, and he was just pounding in. Got him on the second call with the
> NC-20.
>
> 72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
> didileydadidah QRP-L #1446 Code Warriors #35

--

Date: Thu, 13 Jul 2000 22:11:23 -0400
From: "Stephen M. King" <frastephen@home.com>
To: qrp-1@lehigh.edu
Subject: [75052] FOX ran in his hole early?
Message-ID: <3.0.6.32.20000713221123.01892b10@mail.rdc2.pa.home.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I must have missed something

I thought the hunt began at 0100Z and ran for 2 hours.

>From the early posts it looks like it began an hour early and ended an hour early.

Sorry I missed you Tom! You and the K2 were coming in rather nicely into NJ near the end.

72 es hopefully see the Sunday fox!

Stephen

Date: Thu, 13 Jul 2000 21:16:39 -0500

From: "George , W5YR" <w5yr@att.net>

To: hamjoel@juno.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [75053] Re: fox #2

Message-ID: <396E7807.7CD94B2E@att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

What have I been telling you guys!!!! ;^)

DigiPan, WinPSK and Zakanaka will also give a waterfall display that can be used very effectively on CW.

The author of SpectroGram can be reached at

rshorne@mnsinc.com

The program is on several URL's available for download.

72/73, George W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

(12/99)

hamjoel@juno.com wrote:

>

> Using SPECTROGRAM to zero the FOX and split operation to Zero the hound
> on Spectrogram... I got the FOX...0135Z

> nICE signal into maine...FOX was working a good split and the

> spectrogram program sure made it easier to find out where he was
> answering people...
> If u would like to use the program (freeware) look up spectrogram on the
> web or someone else might have the exact details... sure makes zeroing in
> on someone a breeze...and I find it very useful in everyday operation...
> Jay sry I missed U... let's try again...
> in fox heaven
> ke1la 2207
> maine

Date: Thu, 13 Jul 2000 21:21:49 -0500
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75054] FOX: Thanks Pesky Texan Tom, N5TW
Message-ID: <01ef01bfed3a\$44401640\$0332a8c0@roland.swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

With only about 200 miles separating us, I thought fox hunting tonight was going to be Trouble with a capital T. I was listening intently at the beginning of the hunt. Heard Doc, K0EVZ bag him. Shortly afterward Tom, N1TP bags him. I hear N4ROA just pounding into Dallas bag him. Diz, W8DIZ, also a big sig here bags him. The fox is just under the noise. I hear a few letters every other word or so. Ever so faint. I looked out the window and thought, maybe if the sun goes down just a little more, conditions will change to my favor...and at 0120Z they did. Tom's signal just popped up. Like outta nowhere. I thought I saw the shadow of his big north facing beam go over my house ;-). On the third or fourth call I got through...whew. I was sweating bullets on this one. Thanks again fellow Pesky Texan Tom for being a great fox...I learn something from every one of you Foxes.

72/73,
Lew
N5ZE

Date: Thu, 13 Jul 2000 21:35:20 -0500
From: "Tom Whiteside" <n5tw@igg-tx.net>
To: "QRP-L" <QRP-L@Lehigh.EDU>
Subject: [75055] Fox: Arggghh!!!
Message-ID: <002d01bfed3c\$2858eb80\$22bd60cc@g517v>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, thanks for all that tried and apologies to the many I missed... I think the total after log scrubbing will be 68 hounds worked plus 1 for me... I'll post the logs after my brain clears tomorrow... The first hour was especially character building - I think we got coronal mass ejected! Band was very noisy and was able to hear only a few... After trying a while, decided to concentrate all the fire power in one direction and the extra 4.5 dB helped some as I pointed northeast (in the theory that away from the sun was good and that was all I was hearing....) Later moved them all northwest and kept tugging them in very slowly... The second hour was much better but still not at all good... I was able to go back to antennas pointing everywhere and the rate went up... I must say that the hounds were incredibly good about waiting until all the information was extracted... As I'm writing this, it is 30 minutes after the hunt and my K2 is still reading S3-S9 noise on an S-meter that is set to have at most only the first bar lit with no signal... Sure am glad this one started at 0100Z and not 2000Z!

Tom Whiteside
N5TW Georgetown, TX

Date: Thu, 13 Jul 2000 21:35:53 -0500
From: Dave Redfearn <n4elm@home.com>
To: jbcumming@wwdc.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75056] Re: Unstable Sierra module - suggestions?
Message-ID: <396E7C89.B7D56892@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

VE3JC - John C wrote:

>
> I have a 10m Wilderness Sierra module that has been "dead" since I got
> it used and preassembled some months ago. I finally got around to using
> the scope to try to tune it up and bring it to life.
> What I'm now encountering is this: After tweaking and fiddling with
> turns spacing on the toroids, I'm getting about a watt out (as verified
> by the WM-2 and the scope). However, it intermittently switches between
> a watt and about 100 mWatts - I key it once, and it's a watt, I key it
> again, and it's 100 mW ! I haven't found any suspect solder joints,

> etc., and output from other band modules is stable.
> Does anyone have any thoughts on what I could try???
>
> Thanks in advance, and 72, John VE3JC

Hi John,

I also had a very finicky 10 meter and 40 meter module.
It seems that the trimmer caps are very touchy to adjust
and they are not put together very well mechanically, sometimes the
rotating plate does not make good contact through the pin and sliding
contact assembly on the bottom.

I re-soldered one to get it working and replaced another outright and
that seemed to tame things down. I ordered a couple of extra trimmer
caps from Wilderness just for that.

You may also want to verify that the circuit changes (to allow 15 - 10
meter operation) are in place on the main PC board if you have an older
Sierra.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Thu, 13 Jul 2000 22:43:16 -0400
From: S LYON <sslyon@worldnet.att.net>
To: chat qrp <qrp-1@Lehigh.EDU>
Subject: [75057] BUMBLE BEE CALENDAR CHALLENGED
Message-ID: <396E7E44.977AB2D6@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all for well wishes and gentle reminders of the correct date.
I'll just chalk it up to the meds... yea... that's it... the meds.
Should have the stinger sharpened up by the 30th, all right! May be
trial run for the wire antler challenge in Sept.

72
--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Thu, 13 Jul 2000 21:58:55 -0500
From: Dave Redfearn <n4elm@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75058] Project update - RS 22-503 Power Supply
Message-ID: <396E81EF.E92AB964@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Between work and life, I have not moved my projects forward as quickly as others on the list. But I did finish adding the options to my K2 about a month ago and pulled out the Radio Shack 22-503 switcher power supply I had bought way back when it was on sale.

After reading up on past posts about R39 and noise, I took a look at mine.

Increasing the value of R39 does raise the output voltage. With a 500 ohm mini-pot connected in place of R39 the output could be adjusted from 13 to up over 15 volts or so. I thought this would be too likely to "smoke" regular 12 volt equipment but a 100 ohm pot did not provide enough voltage range to properly charge the K2 battery.

A 150 ohm resistor in parallel with the 500 ohm pot provided a range from 13 to ~ 14.4 volts (just right for the K2). I mounted the mini-pot through the front panel and with a small pointer knob, I made marks for 13.65, 14, & 14.4 volts.

Now I can pre-set the approximate voltage needed and with the knob cranked all the way open (14.4 v), I'm not likely to "accidentally smoke" something.

I never did hear much noise from the power supply but while it was opened up, I installed a type 73, .5" X .5" ferrite bead in the AC cord lead coming into the PC board and one on the DC leads coming out of the PC board (3 turns). Don't know if it helped, but doesn't seemed to have hurt anything.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Thu, 13 Jul 2000 20:05:09 -0700 (PDT)
From: Quinn Farnes <quinn_farnes@yahoo.com>
To: Dave Benson <nn1g@earthlink.net>
Cc: qrp-L@lehigh.edu
Subject: [75059] Re: It Finally Came (DSW-20)!
Message-ID: <20000714030509.18214.qmail@web4107.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi Dave,

Well, it looked like someone gently sat on it. No damage as far as I can tell, and the components were shielded inside the manual. Don't think there will be any problem. Really looking forward to burning my fingers, which I always seem to do. Grab the wrong end of the iron sometimes while intently fixing my gaze on the "target."

Dave, you've heard this many times before, undoubtedly, but I've got to thank you and everyone else on QRP-L who have spent so much time helping layfolk like me participate in the magic of radio electronics. 10 years ago I got bored with QRO. I could work anyone I could hear, even with my FT-7 and a random wire. The concept of taking a small, efficient rig out in the boonies, or even outside during my lunch break at work, and working CW via a wire tossed over a tree limb is way-cool, and this is what got me interested in the hobby again.

Well, enough mush, just know that I will always be grateful to folks like you that make amateur radio worthwhile.

73,
Quinn Farnes
WB6TDC
(preparing to melt solder)

--- Dave Benson <nn1g@earthlink.net> wrote:
> Thanks, Quinn.
>
> The postal service must have changed commercial carriers
> (they sub out
> priority mail parcels to the lowest bidder)- this is
> about the 5th report
> I've had in the last several months about battered
> packaging!
>

> 73- Dave
>
> -----Original Message-----
> From: Quinn Farnes <quinn_farnes@yahoo.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Date: Thursday, July 13, 2000 4:53 PM
> Subject: It Finally Came (DSW-20)!

>
>
> >When I got home today I opened a battered red white and
> >blue Priority Mail package and inside, neatly packaged
> >and
> >shielded by lots of "popcorn" was my long-awaited
> DSW-20,
> >or parts for the construction thereof.
> >
> >I'm so jazzed, I just had to tell ya!
> >
> >Quinn
> >WB6TDC
> >Laguna Beach, CA
> >QRP-L #765
> >
> >=====
> >end
> >
> >-----
> >Do You Yahoo!?
> >Get Yahoo! Mail Free email you can access from
> anywhere!
> ><http://mail.yahoo.com/>
> >
>

=====
end

Do You Yahoo!?
Get Yahoo! Mail Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Thu, 13 Jul 2000 22:05:43 -0500
From: "Tom Whiteside" <n5tw@igg-tx.net>
To: "QRP-L" <QRP-L@Lehigh.EDU>

Subject: [75060] Fox: Sheepish fox!
Message-ID: <002101bfed40\$66e47000\$1f21f0cd@g517v>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well am I embarrassed! I decided to use a different program than my normal log tonight and I had the Zulu offset incorrectly and started an hour early!!!! No wonder that first hour was so slow!!!! K0EVZ came on "after" the hunt and inquired if I had started early and I assured him that I had not - oh well - I'll try to do better next time and my sincere apologies to the hounds...

Tom Whiteside
N5TW Georgetown, TX

Date: Thu, 13 Jul 2000 23:17:38 -0400
From: tom palmer <n1tp@worldnet.att.net>
To: n5tw@igg-tx.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75061] Re: Fox: Sheepish fox!
Message-ID: <396E8652.B0C85640@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey, no problem, Tom.

These things happen. We're all human.

We ALL very much appreciate you're being the FOX.
We also look forward to Sunday, July 30th.
We also LOVE your antenna farm.
It makes it ALL SO EASY to hear you,
especially here in Florida with the Gulf
of Mexico affect..

Only we former FOXes REALLY know that it's not easy
being a FOX for 2 hours, trying to pull cricket chirps out
of alphabet soup.

God Bless!

Tom, N1TP

Naples

Tom Whiteside wrote:

```
> Well am I embarrassed!   I decided to use a different program than my normal
> log tonight and I had the Zulu offset incorrectly and started an hour
> early!!!! No wonder that first hour was so slow!!!!      K0EVZ came on
> "after" the hunt and inquired if I had started early and I assured him that
> I had not - oh well - I'll try to do better next time and my sincere
> apologies to the hounds...
>
> Tom Whiteside
> N5TW Georgetown, TX
```

Date: Thu, 13 Jul 2000 23:29:59 -0400 (EDT)
From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
To: "qrp-L@Lehigh.EDU" <qrp-L@Lehigh.EDU>
Subject: [75062] QRP Retro Mods
Message-ID: <Pine.BSI.4.05L.10007132328030.2892-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Those who miss the "Good Old Days" of drift, chirp, etc. may appreciate the ORP Retro Mods at

<http://www.min.net/~thom/grp/>

You might even want to join the QRP Webring, too.

73
thom

[illegible]

http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com	Home of the Baltimore Lexicon
http://www.min.net/~thom/	QRP and Drake Mail List Pages

Date: Thu, 13 Jul 2000 22:31:00 -0500
From: mjfitz@uswest.net

To: QRP-L Posts <qrp-l@LEHIGH.EDU>
Subject: [75063] Super-Regen Info from C. Kitchin
Message-ID: <396E8974.DDC7B220@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To All Radio Receiver "Homebrewers":
After almost a year's delay, my super regeneration article is set to come out in the September/October issue of QEX magazine (an ARRL publication). My appologies to everyone for the long delay in getting this published. The article had been scheduled to appear in the Winter 2000 issue of Communications Quarterly but the magazine was sold to the ARRL before that issue went to press.

However, over the past few months, I have had the opportunity to rework the article and to add details on some new, very interesting discoveries which directly contradict many of the statements printed in popular books and publications.

Some of the topics in the article include:

- 1.) New methods for the detection of narrow band FM including details of a new type of super regenerative mixer circuit developed by a New Zealand Ham, "Nat" Bradley, ZL3VN.
- 2.) Two VHF receiver projects that are MUCH easier to build (and are lower power) than a comparable superhet design. One receiver is 38 to 54MHz, the other 88 to 170MHz. Both receive AM, WBFM, NBFM and phase modulated signals. Both receivers can be built using a low cost PC board from FAR circuits.
- 3.) A simple method for building UHF receivers in the 450Mhz to 910MHz range.
- 4.) A simple and practicle squelch circuit for super regenerative receivers.

I hope that those of you who have "cut your teeth" on shortwave receiver projects will consider trying a VHF or UHF project. Happy

Homebrewing and 73, DE
N1TEV (Charles Kitchin).

posted by Mike, N0MF

Date: Thu, 13 Jul 2000 21:23:18 -0700
From: "Glenn Maclean" <glennmaclean@ix.netcom.com>
To: <qrp-l@Lehigh.EDU>
Subject: [75064] Fox Hunt #3
Message-ID: <001f01bfed4b\$3d1cf020\$02fea8c0@cessna.textron.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I am a beginner to Fox Hunting. I tried last Sunday to get Al but never did hear him. This was my second try for the summer Fox Hunt and to my surprise I bagged Tom tonight with my K2 s/n 323 at 5 watts! I owe Bob N6WG a big thanks for all of his encouragement in trying this event. I look forward to bagging more foxes during the summer hunt. I have a question? How do I go about getting a QRP-L number?

Glenn WA7SPY
Sacramento, CA

Date: Thu, 13 Jul 2000 23:33:05 -0500
From: Dave Redfearn <n4elm@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75065] Project Update - Black Widow support (long)
Message-ID: <396E9801.260BB0E6@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

While still lagging behind the pack in project progress, I did manage to score a 20' Black Widow pole from the Bass Pro SuperStore on the way back from Hamcomm 2000 in June.

I wanted a way to quickly mount the pole to support an antenna like the

44' ribbon cable dipole (Doug Hendricks) but did not want to modify the pole as per the St. Louis upgrades. At Hamcomm, Burl related that since Arkiecon, Dennis and he had come up with a way to mount the pole by sliding it over a mounting post (wood or PVC) driven into the ground, so following Doug's advice from Arkiecon, I shamelessly stole Burl and Dennis's idea.

In the garage, I found a piece of 3/4" thin wall PVC pipe that the bottom section of the Black Widow pole would loosely slide over.

I cut a 16" length of the PVC pipe.

A trip to Home Depot produced:

- 1 - 3/4" PVC coupling
- 1 - 3/4" to female threaded adaptor (PVC)
- 2 - 1/2" to male threaded adaptor (PVC)
- 1 - 10" steel spike (big nail)
- 1 - high strength, 2 part epoxy glue

I glued the 16" length of 3/4" pipe to one end of the 3/4" coupling.
I glued the female threaded adaptor inside the other end of the 3/4" coupling.

I found a short piece of 1/2" PVC pipe and with that
I glued the 2 male threaded adaptors together butt to butt with the threaded ends facing out and the head of the spike trapped in the middle of the adaptors. The spike extends out through one adaptor's threaded end.

I filled the void space inside the adaptors with the high strength epoxy, centering the spike and let it cure for a day or so.

The support is installed by pushing the spike into the ground then screwing the female end of the coupling into the top of the spike assembly. The Black Widow slides down over the 3/4" pipe but not over the coupling so the coupling functions as the stop for the pole base.

To disassemble for transport, slide the Black Widow off, unscrew the pipe at the coupling, then pull the spike assembly out of the ground.

Now clean off the spike, insert the spike into the threaded end of the coupling so that the spike slides into the pipe and screw in the spike assembly a couple of turns to hold it in place.

Now the spike can be easily transported inside the pipe, protecting it from damage from legs, hands, and possibly eyes.

After using this to hold up the Black Widow and the ribbon cable dipole several times,

I'm going to make the following minor additions:

The thick wall PVC pipe would be stronger, so far the thin wall is

working fine (and it was on hand).

I wanted to use a 12" spike but all the store had that day were 10" ones.

I'm going to drill a hole through the top of the spike assembly below the threaded part to slide a 1/4" rod through horizontally to provide a handle for pushing the spike into/out of the ground. The rod will store inside the PVC pipe also.

For an antenna base for a vertical, I'm going to cut a hole in the middle of a 4" dia. round piece of copper PCB large enough to slide over the pipe but not the coupling. It will install over the pipe first and the Black Widow will "trap" it, holding it down.

With a chassis mount BNC connector installed on the PCB, a vertical wire can be attached to the center contact and extended up the pole for the radiator and radials with alligator clips can be clipped directly to the PCB. The feedline will be coax.

73 - Dave

=====

Dave Redfearn, ARS N4ELM, McKinney, TX

Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)

QRL? de N4ELM/qrp

Date: Fri, 14 Jul 2000 06:11:03 EDT

From: Makos327@aol.com

To: qrp-l@lehigh.edu

Subject: [75066] Washing PC boards (Was: Confession : I use acid flux)

Message-ID: <a8.7c67205.26a04137@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 7/13/00 5:10:39 PM Eastern Daylight Time,
zmola@campbellsci.com writes:

"I'm just wondering what the effect of washing the board will have with the parts on most kits, especially the inductors.

Carl

AC7BB"

In my professional experience of working with high end photographic strobe equipment ... nothing. Washing a board with water is no big deal as long as you make very certain that it is completely dry before using it. I have

found that there are two good methods to insure this.

- 1) Use a heat gun to dry the board thoroughly if you are somewhat constrained for time, or
- 2) Blow off any visible excess water off the board with compressed air and then put the board in a very dry place and let it sit overnight.

When a flash capacitor vents you have to get ALL of the electrolytic off the boards as it can be conductive when it dries up. (Found that out the hard way). I have used both of the above methods with great success.

Larry W2LJ

Date: Fri, 14 Jul 2000 05:15:45 -0500
From: "Terry Bassett" <mutabut@net66.com>
To: <Qrp-l@Lehigh.edu>
Subject: [75067] FOX: What a Fox
Message-ID: <001101bfed7c\$7a53c0a0\$0101a8c0@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Tom and All,

I was in the shack getting ready to go Fox hunting (which I have done unsuccessfully so many times before), when to my surprise I heard the critter as he leapt from his hole. Took a couple shots as he tormented a couple other hunters. Then I got it done.

Well actually, Tom got it done. I went to the Fox page and took a look-see. Quite a setup! Must have been a big help getting my 4 watts sig.

So, my second Fox this summer and I was skunked last year except for the novice Fox pups. This is progress and I wish to thank one and all.

72,

Terry KA9TXE East Central Illinois

Date: Fri, 14 Jul 2000 07:07:27 -0400
From: tom palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Cc: Tom Palmer <n1tp@worldnet.att.net>
Subject: [75068] FOXL Zulu Time - Oh, how elusive she be!
Message-ID: <396EF46F.5DC2B5C7@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello, fellow Hams interested in FOX Hunting.

Question: Is there an ACTIVE ham on this planet
who has not screwed up on Zulu Time at least twice,
if not how many MORE times?

Right now my MFJ-1078 battery operated
Zulu Clock has a dead battery. It's been dead for
a few months.

I found the following:

<http://greenwich2000.com>

I set my "Casio" by it.

72/73,

Tom, N1TP
Naples, FL
QRP-L 1317

Date: Fri, 14 Jul 2000 07:16:13 EDT
From: Shepherd@aol.com
To: qrp-l@lehigh.edu
Subject: [75069] Re: FOXL Zulu Time - Oh, how elusive she be!
Message-ID: <c1.5120382.26a0507d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 7/14/00 7:08:33 AM Eastern Daylight Time,

n1tp@worldnet.att.net writes:

> Hello, fellow Hams interested in FOX Hunting.
>
> Question: Is there an ACTIVE ham on this planet
> who has not screwed up on Zulu Time at least twice,
> if not how many MORE times?

Guilty as charged. :-)

72, 73, oo's

Dan, N8IE Kettering, Oh

FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667, SOC #284

<http://members.aol.com/shephed/n8ie.htm>

Date: Fri, 14 Jul 2000 07:33:51 -0400
From: Peter_Simpson@ne.3com.com
To: qrp-1@Lehigh.EDU
Cc: RANDALLR@Healthall.com
Subject: [75070] Ethernet Thicknet Cable
Message-ID: <8525691C.003F8E6D.00@usboxmta.ne.3com.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

It's OK to use. Not sure about the long term effects of UV on the yellow jacket. Its loss numbers (from the Belden catalog) are a bit (0.1 dB) better than RG-8 at one or two freq's...essentially, it's RG-8 with better shielding, a foam dielectric and a solid center conductor.

Crimp-on N connectors are available from Amphenol and Kings, PL259s can be soldered on.

72,
Peter, KA1AXY

Date: Fri, 14 Jul 2000 11:58:00 +0000
From: Michael Neverdosky <mneverdosky@earthlink.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75071] Touchy trimmer caps
Message-ID: <396EB9F8.4F0E2C9A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I hate touch or jumpy trimmers and other adjustments in my rigs.

When I have the space available I replace the little trim caps with piston trimmers and single turn pots with multiturn units.

I did this on the carrier board in my TS-130S.
Much more stable and adjustments are real easy.

have fun

michael N6CHV

Date: Fri, 14 Jul 2000 06:09:33 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [75072] Re: Higher Antennas
Message-ID: <013101bfed8c\$5fb89580\$d208710f@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, you guys persuaded me into taking action on raising the old dipole.
Thanks for all the good info. Books are a good resource but there's nothing like a "virtual Elmer" in other words the QRP-L gang.

BUT I'm only half way there.

The DK9SQ mast is now supporting an inverted vee w/light-weight 300 ohm feedline tapped to the mast every 2' . And the elements are 33' of #17 aluminum wire connected via a tiny tie strip to the feedline at the top. The tip of the mast is arcing over just a bit, but I think it'll survive just fine. So the invert vee is ~32' high soon to go higher!

Next step is stacking my Army portable mast to 40' and putting the DK9SQ on top and guying the whole thing. Hmmm.

So far the inverted vee is behaving much the same as the flat top dipole at

the same height. Can't wait till it's up to 60-70'! I left the #12 copper wire dipole up in the trees as a reference dipole.

I'll post my results soon, Steve/n0tu

Date: Fri, 14 Jul 2000 08:20:50 EDT
From: WB9MII@aol.com
To: qrp-l@lehigh.edu
Subject: [75073] Windom made of twinlead...good results so far
Message-ID: <3a.7d3fe35.26a05fa2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Howdy folks,
After having made and used a single wire feed Windom, a twinlead fed Windom from the 1961 handbook, I got a bug in my ear to make up and try a 20 meter Windom made up completely of twinlead. I suspect it's nothing new and has been done before but I got a bug in my ear and made one up. Kinda like an off center fed folded dipole. Made of cheapo flat ribbon cable which I usually have plenty of. Hung it on the walls (I'm in a condo type place - no outdoor antennas). It loads up like a champ, and I'm even working guys under these current nasty 20M conditions. Not bending anyones S meter right now but if I hear 'em I work 'em. This might be a good portable or hotel room antenna so I thought I'd pass it on. Always good stuff on QRP-L.

Thanks 72
Greg WB9MII
QRP ARCI 9719
Amateur Radio Post 380 - the American Legion

Date: Fri, 14 Jul 2000 06:34:56 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>, <WB9MII@aol.com>
Subject: [75074] Re: Windom made of twinlead...good results so far
Message-ID: <013e01bfed8f\$eb9ceee0\$d208710f@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sounds great! can you give us some details ...Please? Steve/n0tu

-----Original Message-----

From: WB9MII@aol.com <WB9MII@aol.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, July 14, 2000 6:29 AM
Subject: Windom made of twinlead...good results so far

>Howdy folks,
>After having made and used a single wire feed Windom, a twinlead fed Windom
>from the 1961 handbook, I got a bug in my ear to make up and try a 20 meter
>Windom made up completely of twinlead. I suspect it's nothing new and has
>been done before but I got a bug in my ear and made one up. Kinda like an
>off center fed folded dipole. Made of cheapo flat ribbon cable which I
>usually have plenty of. Hung it on the walls (I'm in a condo type place -
no
>outdoor antennas). It loads up like a champ, and I'm even working guys
>under these current nasty 20M conditions. Not bending anyones S meter
right
>now but if I hear 'em I work 'em. This might be a good portable or hotel
>room antenna so I thought I'd pass it on. Always good stuff on QRP-L.
>Thanks 72
>Greg WB9MII
>QRP ARCI 9719
>Amateur Radio Post 380 - the American Legion
>

Date: Fri, 14 Jul 2000 09:11:33 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: qrp-l@lehigh.edu
Subject: [75075] BLT Notes
Message-ID: <396F1184.314ABCD9@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone building the BLT in a conventional metal box (vs the PC board case supplied) should be aware of a possible problem: The mounting screws for the variable capacitors may be a little too long, especially if the hole in the case is tapered to set the screws properly. Depending on how thick the case material is, the screws could make contact with the rotor plate, grounding the rotor and possibly causing some damage... Might even affect the tuner's performance :)

72 DE K1CL
Chuck.

Date: Fri, 14 Jul 2000 08:51:16 EDT
From: WB9MII@aol.com
To: qrp-1@lehigh.edu
Subject: [75076] Twinlead Windom...details
Message-ID: <b4.7fc3dbc.26a066c4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Howdy folks,

A feller very kindly asked for some details of the 20M twinlead Windom....so here goes. I took 33 ft of flat cheapo TV Twinlead , married up and soldered the parrellell wires at each end..like a folded dipole. then measured 1/3rd of the way from it's back end (11 ft for the 20M one I made up)slit the twinlead and clipped the wire in the middle of where I'd slit it...so I had 2 inch or so long wires hanging down. Soldered about 11 ft of twinlead to these wires for a feeder. Like a folded dipole but not fed at the center. Hung it on my walls...hadda bend the ends. Looks ugly but works well. I have an MFJ9040 (with filter...going whole hog this time) and I bet it'll load on 40 also.

Take care 72

Greg WB9MII

Date: Fri, 14 Jul 2000 08:52:51 -0400
From: "Irwin, Wayne, W1KI" <wirwin@arrl.org>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [75077] unsubscribe w1ki@arrl.org
Message-ID: <125490A005E3D3118C9C00805FC743CC08848D@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Date: Fri, 14 Jul 2000 09:09:48 -0400
From: "Larry Acklin" <larrya@compu-fixinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [75078] Re: Confession : I use acid flux
Message-ID: <003701bfed94\$c9f850e0\$0400a8c0@larrya98>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

My Father-in-law is a plumber, and he gave me a bottle of what he called "copper bright", or something like that.

Boy, that stuff is magic- a little on a q-tip wiped across an old copper pipe yields a solderable joint in seconds. I have found that some fluxes are more "active" than others, and a call to the local electronics distributor may reveal some interesting answers. We used to use an organic flux kester here a work that was good, but the perfumed flux variety gave me a headache. The best cleaner I found for PC boards is isoprop. alchohol and a good water rinse.

On boat anchors, I take them to the carwash, use lots of soap, rinse well, (no wax!) and put them in a 120-150 degree oven with the door blocked open a bit, for 4 hrs.

If any old parts can't take that treatment, they needed to be replaced anyway.

73
Larry
KB3CUF

Date: Fri, 14 Jul 2000 09:15:05 -0400
From: S LYON <sslyon@worldnet.att.net>
To: chat qrp <qrp-1@Lehigh.EDU>
Subject: [75079] N6BV re topo maps on line
Message-ID: <396F1259.89F1FE81@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, Dave:

Even though the site Steve gave at topozone.com is a *lot* slower than the Microsoft TerraServer.COM site, the amount of area you can see on any one screen on the TerraServer.COM site is much smaller. Of course, that's why the topozone.com site is so very much slower -- it's shoveling out a whole lot more information. :>)

For the purpose of generating elevation terrain data for a program like
YT
or TA, the topozone.com data is a great deal more useful, since you can
look
out several miles in any one azimuthal direction.

Just a thought...

Dean, N6BV

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Fri, 14 Jul 2000 09:27:59 EDT
From: W1R0@aol.com
To: qrp-l@lehigh.edu
Subject: [75080] 2 outta 3
Message-ID: <bd.5285594.26a06f5f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Nailed Tommy da Fox twice to make sure I got'em! At 0035Z he ran through
Las Vegas breaking speed records at 579 with solid footing. At 0132Z he was
fading fast at 559 down to zero when QSB took over sponsorship.

2 outta 3 Foxes nailed to the barn door. I didn't get to hear that
northeasterner last Sunday. Seems Thursday Foxes can be heard here better due
to props.

Yes, one of my rookies aboard ship reset my Zulu clock to daylight
savings time on me ONCE! He never did it again! :-)

Jim
W1R0/7

Date: Fri, 14 Jul 2000 07:06:00 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'ai2q@ispchannel.com'" <ai2q@ispchannel.com>, Low Power Amateur Radio
Discussion <qrp-l@Lehigh.EDU>
Subject: [75081] RE: Toroidal core?

Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBC64@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

Beware of unknown cores obtained from junkboxes or electronic surplus.
The color-codings may not be the same as Amidon or other brands
we are used to.

Jay
W6CJ

-----Original Message-----

From: AI2Q Alex [mailto:ai2q@ispchannel.com]
Sent: Thursday, July 13, 2000 8:06 AM
To: Low Power Amateur Radio Discussion
Subject: Toroidal core?

Might there be someone in this collection of QRP souls that has some
large
toroid cores in their junkbox suitable for operation at 3.5 MHz?

I've built a small phase-shift network for my phased 80-M verticals, and
am
now in need of a much heftier core for the kW version (yes, I also
operate
QRO). I'm intending to wind a bifilar coil of about 2 uH on it, and am
searching for a large toroid of about 2 in. to perhaps 4 in. in
diameter.

BTW: the QRP version gives me a beautiful 90-degree phase shift on my
dual-trace scope, and seems to work quite well on the actual antenna
array
too, although more observation is required over a longer period.
However,
this network--consisting of one bifilar core, two capacitors, and a
non-inductive terminating resistor--seems to have improved my array's
F/B
ratio by about 6 dB. It was about 15 dB, and I'm seeing more than 20 dB
now.
Yippee! Can't wait fer winter (I know, I know....I love summer too).

Tks!

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Date: Fri, 14 Jul 2000 07:13:28 -0700

From: Dave Barrett <DBarrett@creo.com>
To: "'zmola@campbellsci.com'" <zmola@campbellsci.com>, "'QRP-L'" <qrp-
l@Lehigh.EDU>
Subject: [75082] RE: Confession : I use acid flux
Message-ID: <BFEEFC3386986D2119C0800A0C99B5DE602306D8C@msgcreo3.creo.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi Carl, Gang

Washing boards in a commercial dishwasher is common practice in industrial board fab shops, however one must be sure the board is designed to be washed. IE, some components are actually made for chemical / water emersion during the manufacturing process, however some are not.

Typically standard types of potentiometers, Switches, IF type coils, transformers and variable caps do not like being immersed and are hard to dry out. Part of the water cleaning process is of course being heated to dry and the heat is another consideration as some parts are made of plastic parts that cannot stand high heat and will change shape / characteristics under those conditions.

As mentioned before there are an increasingly large number of parts these days that 'are' made to be washed and heated but one has to be careful.

Obviously if the board is from a consumer gadget and has been abused by immersion in the local lake etc it is better to give it a good wash (with dish soap and hot water then rinse off very thoroughly and dry well (hairdryer acceptable choice here). As an added note, if your gizmo has been immersed in salt water you are better off to scrap it!!

Please do not flame me here guys, this is advice given after 38+ years repairing all sorts of consumer and commercial electronic / optical and fine mechanical gear and believe me the salt is extremely difficult to remove and does come back to haunt the repair person as a re-repair.

Use of acid flux is acceptable only in difficult situations where solder will not take on certain metal surfaces without assistance.

Flux is NOT a substitute for cleanliness !! Clean those joints well and tin them if necessary and your joint will be OK, provided of course your soldering technique is sound!! (Clean S/iron tip, sufficient heat but not too much, clean parts to be joined, heat parts and apply solder directly to heated parts and iron tip simultaneously, hold momentarily while withdrawing iron tip and allow job to cool before moving).

Any use of acid flux MUST be cleaned off exceedingly thoroughly in electronic circuitry !!

This is the simple reason manufacturers say not to use it....they cannot control how well you clean off the joints and don't want tons of warrantee work that can be generated by uncleaned flux causing corrosion and all its associated problems (high resistances and rectification (diode) like effects)

Enough said.....most of all.....have fun 'building' folks!!

Dave Barrett VA7DB (Ex VE7PCC)

Vancouver BC Canada

Date: Fri, 14 Jul 2000 07:11:58 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'hattonte@gdls.com'" <hattonte@gdls.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75083] RE: Ladderline
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBC65@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

Might look for the Emtech Z-match; ZM-2 also W6JJZ (look him up) has done some good articles on the subject. His site contains schematics and info on the match tuner, plus variations. If you read the (W6JJZ) literature, the ZM looks like a better way to go than lossier T-tuner+balun arrangements. The ZM tuner and single LED match indicator could be built in to a QRP-portable chassis to save the hassles of external tuner, SWR meter, coax jumper. I hope to build a ZM tuner into a travel-friendly radio.

73
Jay
W6CJ

-----Original Message-----
From: hattonte@gdls.com [mailto:hattonte@gdls.com]
Sent: Wednesday, July 12, 2000 1:19 PM
To: Low Power Amateur Radio Discussion
Subject: ANT: Ladderline

Gents,

I want to use ladder line with my QRP xcvr, but I need a tuner, and I want

to brew it myself. Does anyone have a list of www sites that have balanced tuner info? I do know abt Larry Cebik's page of course, and I have done a search on the keyword, but there's not too much out there (unless you just want to tune your guitar).

Tnx fer bandwidth

de Terry W1QF/8

Date: Fri, 14 Jul 2000 10:16:42 -0400
From: JP <jdanter@mail.i-america.net>
To: qrp-1@Lehigh.EDU
Subject: [75084] OT:QRPArci.org offline?
Message-ID: <396F20CA.17ED8FA5@mail.i-america.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Any insights regarding QRPArci.org site being offline appreciated.
Email direct please.

KF4VOP

Jamie Danter

Date: Fri, 14 Jul 2000 07:18:40 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Tom Whiteside <n5tw@igg-tx.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75085] Re: Fox: Sheepish fox!
Message-ID: <Pine.GS0.4.10.10007140716200.29544-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Tom,

Let the person who has never made an error going from local time to UTC/GMT/Z throw the first stone!!!

You had a good sig into NV but after calling a few times I thought I'd eat dinner and let the pile up die down.

I came back and sure enough, it had died down! :-)

But that's OK, I'll get you next time!

Thanks for being a Fox,

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

Date: Fri, 14 Jul 2000 07:17:54 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'buydens@duke.usask.ca'" <buydens@duke.usask.ca>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75086] RE: Question about radials
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBC67@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

Antenna literature for verticals suggests:
Roof, or above-ground mount is better than ground-mount.
The more radials, the better.
There is a diminishing return after "lots" of radials 20 or more?
A lot of short, equal length radials are better than the typical
2/4 radials per band of commercial antennas.
Groundrods are nice for electrical safety, not so hot for HF
73
Jay

-----Original Message-----

From: Brian.Buydens@usask.ca [mailto:buydens@duke.usask.ca]
Sent: Wednesday, July 12, 2000 9:22 AM
To: Low Power Amateur Radio Discussion
Subject: Question about radials

I have a Hy-Gain AVQ14 and it recommends either a radials or three equidistant 8 ft. grounds (which apparently are not as good as the radials). I have one ground attached to the AVQ14 but am thinking about using a combination of the ground rod and radials.

The problem is that I don't have the room necessary to place the radials in any of the configurations Hy-Gain specifies. Basically I have an area

North

Metal Shed

A

My thoughts are to just put as any radials in the area as I can, using various lengths from 10m (40m/4) to 2.5m (for the 10m) band. Is this a resonable approach? There seems to be a general rule of thumb that says "put as many radials down as you can" and I am trying to follow that approach.

Brian.

--

Did you hear about the two antennas that got married? The wedding was a disaster but the reception was great!

Date: Fri, 14 Jul 2000 09:02:24 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Cc: gqrp@onelist.com
Subject: [75087] *HUGE* X6 FLARE!
Message-ID: <Pine.SUN.4.10.10007140853150.28259-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Just got to work, checked things, and there was a HUGE X6 (X5.7 to be exact) FLARE at 1003 UTC 14 JUL from region 9077, which is the HUGE region sitting nearly smack in the center of the sun. This is important, because solar activity from near the center of the sun will have a trajectory that will certainly hit the earth.

This is a MAJOR flare event, of which you will see only once or twice per solar cycle. A full proton flare (it takes a huge flare to fling protons at the earth) for which protons are being dumped into our polar regions already. A full-halo CME (coronal mass ejection), meaning when the shock wave hits us Sunday (?), it will be a high density shockwave and trigger a SEVERE geomagnetic storm and huge auroral displays.

Incidentally, the shockwave from Wednesday's X2 flare has NOT yet arrived (about 1500 UTC), so it will probably get here at anytime for another geomagnetic storm today.

Government agencies have already issued various satellite warnings, damage to satellites and orientation problems possible, power grid problems, etc.

THIS IS A BIGGIE.

Will post more data later today after shockwave velocities and things like that have been measured that tend to be used for

predicting the impact to planet earth.

72, Paul NA5N

Date: Fri, 14 Jul 2000 11:08:46 EDT
From: Shephed@aol.com
To: fpqrp@egroups.com, qrp-1@lehigh.edu
Subject: [75088] HB: PCB case.
Message-ID: <34.7e396a7.26a086fe@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hey all, I made a simple how-to for anyone wanting to make a home brew case from PCB material.

It's easy, and fun. Check out the link to "Home brew case and a K1EL keyer kit" on my website below.

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667 SOC #284
<http://members.aol.com/shephed/n8ie.htm>

Date: Fri, 14 Jul 2000 10:28:40 -0500
From: "George , W5YR" <w5yr@att.net>
To: na5n@rt66.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75089] Re: *HUGE* X6 FLARE!
Message-ID: <396F31A8.2994DA4B@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul, thank you for taking time to give us yet another timely and informative warning.

I would like to ask a very naive question, for a retired EE. But all my professional life has been spent with computer systems and electronics - never was able to get too excited over the "cast iron electronics" as we called the "power" courses in undergraduate school.

What is the relationship between the type of sun-related activity that we have been experiencing and our national power grid system? More to the point, what is the mechanism that could cause what sorts of power grid problems?

Appreciate the time and all the effort you put into QRP in general.

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
(12/99)

"Paul Harden, NA5N" wrote:

>
> Gang,
> Just got to work, checked things, and there was a
> HUGE X6 (X5.7 to be exact) FLARE at 1003 UTC 14 JUL
> from region 9077, which is the HUGE region sitting nearly
> smack in the center of the sun. This is important, because
> solar activity from near the center of the sun will have a
> trajectory that will certainly hit the earth.

Date: Fri, 14 Jul 2000 08:28:10 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-l@Lehigh.EDU>
Subject: [75090] Re: Got the Fox
Message-ID: <Pine.GS0.4.10.10007140827360.65-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Listened around on the vertical and I could barely hear him. Figured no fox
> tonite. Just for grins, plugged in the dipole, which ain't worth a darn to
> Texas, and he was just pounding in. Got him on the second call with the
> NC-20.

Hey folks,

This is a GREAT example of why you really do NEED more than one antenna, no matter what the XYL says!

: -)

```
.....KU7Y.....ARCI #8829.....Monte "Ron" Stark....  
...ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
...Visit my Home Page....http://www.qsl.net/ku7y/...
```

Folks,

Carlos #1333

One more tally correction (K5LN total):

40 of 40 W0CH, N0EA. (TIE: GRAND PRIZE WINNERS).

39 of 40: N0DT, K0EVZ-(F)* (*Does NOT get point for being FOX).

38 of 40: None.

37 of 40: AF4PS, N4ROA, N1TP-(F).

36 of 40: KI0II, W0JOE, NQ7X.

35 of 40: WS4S.

34 of 40: K5AAR, K5ZTY, N1LN.

33 of 40: N0AR-(F), K8CV-(F), WD8KQY, N5UW, NV4V.

32 of 40: N0EHW, NK7M, WE6W, KK5LD, N5TW-(F), VE5RC, K1MG-(F).

31 of 40: KB9IUA, AB7CE-(F), KU7Y-(F), AE2T-(F), K1JD-(F).

30 of 40: None.

29 of 40: N5LU, AF5Z-(F).

28 of 40: VE6EWM.

27 of 40: N6WG, K5JHP, KQ5U-(F).

26 of 40: N9AW-(F), AJ4Y.

25 of 40: None.

24 of 40: K0PC, N8IE, W5SB, AE4Y.

23 of 40: K5LN-(F), W2XN.

22 of 40: N7RR-(F), N5EN, KC1FB.

21 of 40: W0RSP, W0RW, AB8DF, N5IW, K5VUU-(F), KU4AF.

20 of 40: K5OI, K1VP.

19 of 40: N0TU-(F), VE7NT.

18 of 40: N0RC, N8VAR, K10J-(F).

17 of 40: W8SFF, NK6A, W5HNS, W5YR.

16 of 40: N0UR, AA0ZZ, W7ILW, KF2PH.

15 of 40: AB0G0, K7RE, N6XU, N5QW, W5TFB, K5UP, VE3JC, N3YSI, K10G.

14 of 40: NW7DX-(F), KA5T, W5TB, K4LL, AF4PP.

13 of 40: N0RN, K0YWD, K5DW, AA5TA, W4UTI, K1QM.

12 of 40: None.

11 of 40: KB9BVN, N7GS, K7TQ, KB7WW.

10 OF 40: NK9G, AB7MY, KD5CMN, WD4MSM, N4XDW.

9 of 40: N9KW, W8RU-(F), N7CQR-(F), AK7Y, WW7Y, N5GQJ, N5NZ, KS4L, VA1MT, NT1R.

8 of 40: N8XI, K6TM, N5JI, K5RV, N2ZHY, AI4CW.

7 of 40: K0CO, W9UQB, AC6UV, K5OT, AK1P.

6 of 40: KE5TC, N5IB-(F), A2PF, N2SMH, K2JQ.

5 of 40: W0AV, KR0I, AE9K, WB8RCR, WB8YYY, WE7G, NA6E-(F), NM5M.

4 of 40: W0DC, N9MZP, WA9PWP, N9SSA, N7MFB, KF4AR-(F), N4SO, K2UD, WZ2T.

3 of 40: AB0CD, KI0G, KKG9H, N9KW, K8DD-(F), W8KC, K7GT-(F), WB6MFS, W5FN, K5JAY, KK5NA, AB5XQ, KG4BIG, W4NJK, N4NK, KQ4QO, W4WLG, N3BJ, KA3WMJ, N3XRV, KJ2LO, W2PSF, W2UX, K1CL, N1FN-(F), W1HUE, A1DDB, W1XT.

FOX: K10J, KU7Y, AB5UA, W0MC, K1JD, NF9K, W8RU, N5TW, K5LN, K0EVZ, N7RR, K1MG, KV2X, KF4AR, N5IW, N4DD, N0TU, K7GT, N0AR, WT9S, N7MFB, AF5Z, N7CQR, K8CV, KF2PH, WV3J, WS8D, AE2T, N1FN, NW7DX, N0IT, N1TP, K8DD/C6A, NQ9RP/N9AW, N0UR, N5IB, KQ5U, W1FB(W1RFI), NA6E, AB7CE.

Date: Fri, 14 Jul 2000 11:51:13 -0400
 From: "Franco, Nicholas J" <franco@bnl.gov>
 To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
 Subject: [75093] FOX: Tally Woe
 Message-ID: <698DB793D712D31180B600902746422DFB48C3@exchange01.bnl.gov>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="windows-1252"

It was a strange night. I waited somewhat impatiently for 0100z. I had the DSW-20 all setup and both the vertical and the wire pre-tuned for 20m and pointing toward Texas :-) I was ready - Nothing was going to stop me from baggin' the Fox, or at least unloading my entire magazine at him. My sights were polished and my finger was on the trigger with adrenolin (sp?) pumping.

OK - 0100 - Here I go, into the woods. Scan around a little and yep, there's a pack of hounds. I can smell the Fox close by. Wow! There's the Fox and some QSB for sure, but he's not going to slip away just because of QSB. I'm a QRPer! I live to work the weak signals in the noise level, argh argh argh! Less power! argh argh!

I shot a few times and waited for the smoke to clear. No - missed every time. A couple of annoying short phone calls during the hunt, oh well, no problem. OK - almost finished with the first hour. I guess all the big guns (5W) got their pelt and the stations with that perfect skip for 599 reports are done. Now for us light-weights! Another stinking phone call - I'll get rid of this one quickly too. OK - back on track.

I hear the Fox sign and give a little dit dit. What was that - he changed his pattern?? OK - a clear shot? I aim and squeeEEEEZZE (no jerking this time). OK the smoke cloud is gently drifting off target Yes, he comes back to me KF2P? Yep, that's me. I send back the exchange information all proud of myself and happy like. Then ... what's this ... yep, I shot a Fox out of season! :-(The Fox season ended 5 minutes before I shot; that's 1 hour earlier than I expected. What do I do now? I have this Fox pelt and I'm not allow to be caught with it. I give him the ole TNX anyway, but inside I'm a little embarrassed that I squeezed off a shot after the fact. Sorry about that Tom. I'll help you patch up the hole if you want. We did have a nice solid exchange. Your signal into Long Island was pretty fine at the time. I guess you heard me just fine without all those other hounds in the way :-) I thought maybe the summer hunts were only one hour in durations or up to the Fox to choose how long to play. I didn't find out until all the emails that he just started at 0000 instead of 0100. Glad everyone had fun. Sounds like a nice number of pelts were given out too. Good job Tom.

Catch you on the next pass. I'll try to only shoot within the timeframe.

Best 72 es enjoy the weekend all,

Nick - kf2p . .

--
Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Systems Administrator Collider-Accelerator Department

Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-2833 Ham Call: KF2P
<mailto:nickf@bnl.gov> <http://www.rhichome.bnl.gov/People/franco>

Date: Fri, 14 Jul 2000 09:06:01 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75094] Re: FOXL Zulu Time - Oh, how elusive she be!
Message-ID: <Pine.GS0.4.10.10007140904540.65-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 14 Jul 2000, tom palmer wrote:

> Question: Is there an ACTIVE ham on this planet
> who has not screwed up on Zulu Time at least twice,
> if not how many MORE times?

Shoot,

It took me several years to just be able to get the darn
day right, let alone the hour!

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....http://www.qsl.net/ku7y/....

Date: Fri, 14 Jul 2000 11:14:17 -0500
From: Mike <mmorrow@companet.net>
To: w5yr@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75095] Re: *HUGE* X6 FLARE!
Message-ID: <396F3C59.2C93@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

George, W5YR wrote:

> I would like to ask a very naive question, for a retired EE.
> But all my professional life has been spent with computer systems
> and electronics never was able to get too excited over the "cast
> iron electronics" as we called the "power" courses in undergraduate
> school.

Ah, yes. I remember that attitude well when I was an EE undergrad. I even shared it. I was interested in missile control systems.

I began to get over that mistaken attitude as a grad student.

> What is the relationship between the type of sun-related activity
> that we have been experiencing and our national power grid system?
> More to the point, what is the mechanism that could cause what sorts
> of power grid problems?

In short, induced currents from magnetic field disturbances can cause abnormal transmission line current flows (some very large) that can cause the various "zone" relays on each end of the line to sense fault conditions. The relays could think there are phase-to-phase or phase-to-ground faults within their protection zones, which can then result in automatic de-energization of major power lines. The loss of major transmission pathways, particularly during summer in the US (where almost no significant generation and transmission capability has been ordered in 20 years), can of itself result in transient cascading problems of power flow and demand distribution. There are other affects from the induced currents.

As far as power generating being "cast iron technology," one finds more and more sophistication in control and production of electrical power, in order to increase efficiency as partial compensation for the backward energy policies supported by an ignorant public and its synchophant politicians.

The technologically advanced systems used within today's generating stations withstand favorable comparison to the most modern use of technology in ANY other industry. I know of no plant site, for any industry, where such a broad scope of engineering and scientific disciplines come together as occurs at a nuclear generating station.

Hardly "cast iron" technology.

73,

Mike / KK5F
(Senior Reactor Operator/Supervisor/Engineer
at a nuclear station)

Date: Fri, 14 Jul 2000 12:17:58 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [75096] WTB = ZM-1 tuner
Message-ID: <200007141218_MC2-AC42-A9DD@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Looking for one or more assembled ZM-1 tuners (yep, ZM-1). If you would part with one, please write directly to me off-line. Thanks.

72/73,

--W.D. (Doc) Lindsey
DSBF
PO Box 6028
Bismarck, ND 58506
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail =3D K0EVZ@arrl.net

Date: Fri, 14 Jul 2000 09:22:41 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "George , W5YR" <w5yr@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75097] Re: *HUGE* X6 FLARE!
Message-ID: <Pine.BSI.3.96.1000714092109.20420B-100000@usr06.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 14 Jul 2000, George , W5YR wrote:

>
> What is the relationship between the type of sun-related activity that we
> have been experiencing and our national power grid system? More to the
> point, what is the mechanism that could cause what sorts of power grid
> problems?
>

I actually have a textbook that specifically deals with that subject. If you're interested, I can locate it when I get home. I'll

have to go through my database to find it, then get it down off the shelf.

Chris

```

      /-----\
     /  What's all this  \
    / extinct stuff, anyhow? \
   /-----\
  _ | /
oo\
(--) \
     \  .  .  .
      \  '  '  '
       \  "  "  "
        \  (  )  \
         \  '-| )__| :. \
          \  | | | | \  '
           \  c__; c__; '---'>.__

```

High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Fri, 14 Jul 2000 09:23:18 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75098] Re: Confession : I use acid flux
Message-ID: <Pine.GS0.4.10.10007140918180.65-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 14 Jul 2000, Larry Acklin wrote:

>
> On boat anchors, I take them to the carwash, use lots of soap, rinse well,
> (no wax!) and put them in a 120-150 degree oven with the door blocked open a
> bit, for 4 hrs.
>

When working in a Motorola 2 way shop up in Idaho years ago, every now and then we would get a radio in for repair that was "dirty".

Sometimes they would bet dropped in puddles of "stuff" from a bunch of cows....sometimes other kinds of "stuff".

We would set them outside by the wall and hose them off. Then we would take all the covers off that would come off without too much trouble and use soap and water to soak all the "stuff" loose.

Then blast them off with lots of water.

Next came the air hose to blow water out of all the little places it can hide....and they can be many!

We didn't have an over so we just let them sit for a day or more, depending on the Wx and Temp.

Never hurt one yet..... that I know of!

(Just be SURE to get all the water out and let them dry)

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

Date: Fri, 14 Jul 2000 12:26:22 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [75099] Re: *HUGE* X6 FLARE!
Message-ID: <008501bfedb0\$403c64b0\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> I would like to ask a very naive question, for a retired EE. But all my
> professional life has been spent with computer systems and electronics -
> never was able to get too excited over the "cast iron electronics" as we
> called the "power" courses in undergraduate school.
>
> What is the relationship between the type of sun-related activity that we
> have been experiencing and our national power grid system? More to the

> point, what is the mechanism that could cause what sorts of power grid
> problems?

George:

1) Charged particles striking the Earth's magnetic field cause the field to wobble.

2) The magnetic field wobbles over stationary power lines.

3) Moving magnetic field + stationary conductor = ??? Anyone? Anyone?
Current.

Sorry - I couldn't resist. I've been trying to teach co-ops about password security all morning. (Trade ya!)

Currents induced by the moving field can cause various fault protection devices (a.k.a circuit breakers) to trip. Depending on how they're set up, one circuit tripping may cause other adjoining circuit to trip as well, causing a cascading blackout. Alerts are issued to utilities so they can watch for such cases and head them off before they grow into widespread outages.

The induced currents aren't always dangerous in themselves - sometimes they just fool the sensing equipment into thinking there's a fault.

Dave

Date: Fri, 14 Jul 2000 11:26:43 -0500
From: "George , W5YR" <w5yr@att.net>
To: Mike <mmorrow@companet.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75100] Re: *HUGE* X6 FLARE!
Message-ID: <396F3F43.B144F113@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks, Mike, for the details - I had concluded that the most likely mechanism had to be something like you described, but it is good to hear it from an expert.

BTW, after a few years at the MIT EE grad school, I did regain full

respect for the cast-iron genre! ;^)

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
(12/99)

Mike wrote:

> Ah, yes. I remember that attitude well when I was an EE undergrad. I
> even shared it. I was interested in missile control systems.
>
> I began to get over that mistaken attitude as a grad student.

Date: Fri, 14 Jul 2000 11:31:47 -0500
From: "George , W5YR" <w5yr@att.net>
To: dlh1009@ritvax.isc.rit.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75101] Re: *HUGE* X6 FLARE!
Message-ID: <396F4073.6C3A0B55@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks, Dave.

I guess what I am most surprised over is that the magnitude of the effect
- the level of current thereby provided - would be large enough to set
off circuit breakers. Maybe the interrupters are much more sensitive than
what I have in mind.

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
(12/99)

David Hinerman wrote:

> Currents induced by the moving field can cause various fault protection
> devices (a.k.a circuit breakers) to trip. Depending on how they're set up,
> one circuit tripping may cause other adjoining circuit to trip as well,
> causing a cascading blackout. Alerts are issued to utilities so they can

> watch for such cases and head them off before they grow into widespread
> outages.
>
> The induced currents aren't always dangerous in themselves - sometimes they
> just fool the sensing equipment into thinking there's a fault.
>
> Dave

Date: Fri, 14 Jul 2000 10:33:04 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: <w5yr@att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [75102] Re: *HUGE* X6 FLARE!
Message-ID: <00b901bfedb1\$366ef960\$da8611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

George, et.al.

Here are two web links that may be useful:

http://www.agu.org/sci_soc/eiskappenman.html, "SPACE PHYSICS
Geomagnetic Storms Can Threaten Electric Power Grid"

<http://www.mpelectric.com/storms/>, "Geomagnetic Storms and Impacts on
Power Systems: Lessons Learned from Solar Cycle 22 and Outlook for
Solar Cycle 23"

Found them at SEC: <http://www.sel.noaa.gov/ElecPower/>

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----
From: George , W5YR <w5yr@att.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, July 14, 2000 9:28 AM
Subject: Re: *HUGE* X6 FLARE!

...

> What is the relationship between the type of sun-related activity

that we
> have been experiencing and our national power grid system? More to
the
> point, what is the mechanism that could cause what sorts of power
grid
> problems?
>
....

Date: Fri, 14 Jul 2000 13:23:53 -0400 (EDT)
From: "John L. Sielke" <n4js@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75103] Re: *HUGE* X6 FLARE!
Message-ID: <XFMail.000714132353.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

In the solar cycle that peaked around 1979-80 I was a Missile launch Officer in Montana. I remember one of those flares setting off alarms, and having to strap in the chairs, waiting for the worst.

On 14-Jul-00 George , W5YR wrote:

>
>> Ah, yes. I remember that attitude well when I was an EE undergrad. I
>> even shared it. I was interested in missile control systems.
>>

/ \ / \ / \ / \ John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>
_ / _ / _ / _ / NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Fri, 14 Jul 2000 12:20:30 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Cc: gqrp@onelist.com
Subject: [75104] Geomagnetic storm #2 arrives
Message-ID: <Pine.SUN.4.10.10007141205090.480-100000@shell.rt66.com>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
I'm writing this about 1800UTC, for which the 1800UTC K-index has not yet been released. So the following is my interpretation of the data:

The shockwave from wednesday's X2 flare arrived at the GOES satellites about 1500UTC, and hit the earth less than an hour later. Solar wind went from about 580 to 680 km/sec, now at 730. Density rose from 5 to 10 p/cm³ (not huge), but the prevailing northward direction of the interplanetary magnetic field (IMF) took a huge swing to the south.

This will undoubtedly trigger a MAJOR geomagnetic storm with K-indexes in the 6-7 range, and the 24-hour averaged A-index probably above 50. The current D-layer absorption data shows 30M and above unaffected at the current time. Note this is from the X2 flare on JUL 12 ... not the massive X6 we had earlier today. Much of this will subside over the next 12 hours.

This does NOT effect the higher HF bands, 30M to 10M should sport normal propagation. However, today's X6 flare has heavily ionized the E-F layers for depressed maximum usable frequency (MUF), such that 10M may be marginal.

The effects of the geomagnetic storm will be primarily seen on 40 and 80M. Europe will have very lousy conditions in their early to mid evening. A lesser effect for evening conditions in the US, since evening is many hours away yet.

For those so interested, see:

www.sec.noaa.gov/today.html ... current x-ray fluxes, etc.
and the 3-hourly K-index in chart form
(GOES Hp is the magnetic field direction)
www.spaceweather.com ... a "layman's" presentation of this activity,
images, active warnings, etc.

Plenty of other data (aurora conditions, D-layer absorption, etc.)
and links from these two sites.

The popular www.dxlc.com site is, unfortunately, not being updated
since Jans is on vacation. Only daily updates are being applied.

72, Paul NA5N

National Radio Astronomy Observatory (NRAO)
Socorro, New Mexico

Although, this is NOT an official NRAO press release or interpretation; purely personal.

Date: Fri, 14 Jul 2000 14:45:42 -0400
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [75105] Re: *HUGE* X6 FLARE!
Message-ID: <20000714.144741.-319741.1.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Having worked in NDT Inspection, much of it in the "Cast Iron" power industries, you would be surprised how little mis-directed energy can do to such a massive installation as a 200 megawatt coal-buring boiler plant.

Back when I used to radiograph (X-ray) piping in such plants, we dropped one off-line with an isotope source. Our exposure effected the coal-metering detectors, causing the plant to try to shovel 100 times the cola it could handle down the chutes.

The metering devices were a radiation detector (ion-chamber, not Geiger-Mueller) and triggered with a level of 50 milli-rad/hr. The old-style Westclock "Baby-Ben" pocket watches put out that kind of radiation levels back when they had radium dials. The energy levels are in small numbers of ergs! Definitely QRPpppp!

Magnetic effects from a flare wreak havoc with controls, so keep your backup batteries close!

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
President & FD'00 Chairman, Brockport Amateur Radio Klub
My night light runs more power than my Rig!!!
Replies - <mailto:wb2vuo@arrl.net>

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Fri, 14 Jul 2000 12:15:23 -0700
From: Radman <radman@best.com>
To: "'elecrafft@qth.net'" <elecrafft@qth.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [75106] K1: BoomBox & Mojo to go...
Message-ID: <01BFED8D.32C053A0@radman.vip.best.com>

Gang,

The 1984 release of the 'rockumentary' B-Grade film spoof, "Spinal Tap," shook the cult film world when heavy metal lead guitarist, Ian Tufnel spilled the beans. Whilst the volume setting on other rock bands' equipment goes to 10, 'Spinal Tap' goes to 11. Is there really a difference? Ian explains, "Yeah, well it's like... one louder, innit?"

Yesterday, I got my hands on the *finished* K1 transceiver for a brief demo, and clearly Wayne Burdick and Ian Tufnel agree - 11 is louder than 10. The K1 now sports a beefed AF strip and revamped audio-derived AGC that is impressive in three ways - the AGC is wonderfully effective, the max-audio setting offers more loudness than any mobile op will ever need, and the RX current penalty for all this is a mere 5 mA - with a bit more current draw for AF Gain set to "11."

For those less interested in bolting the K1 to the handlebars of their Harley, Elecraft will offer an app note to "tame" the AF gain control to room-listening levels - just swapping a bypass cap will do it. I found the stock scheme very usable as is, although I would probably run the AF Gain at about 9-10 o'clock - with 6 o'clock equal to Spinal Tap value = 11. As you roll the AF gain up (louder) you can actually drive the K1 speaker so hard that it will start to clip - somewhere between Spinal Tap value 10 -11.

Now, here's the cool part - if you're not mobile, you'll have plenty of AF to drive a nice big console speaker with the K1. We attached the accessory speaker for the ICOM 730 - about the size of a shoe box - to the K1 and it sounded great. The larger enclosure allows better bass response. I also tested the new AF strip with studio grade Sony headphones and I found it to be "hiss-free" at normal audio levels. And, if the bands are totally trashed you could simply plug your Walkman into the K1 and listen to the Spinal Tap soundtrack at volume = 11. It would be monaural but very loud!

So how does the K1 play? Wayne and I cruised the bands at midday - poor conditions - but we easily bagged a guy in Arizona running 500 watts to a yagi. We were running 5 watts to a wimpy wire. We exchanged 5x9s each way - good demonstration of K1 mojo under poor conditions. We signed with him and

cranked the RF power up to ~ 8 watts and went brick-on-key into a dummy load. Power output looked very stable. Then we rolled the power back down to 5 watts and went key-down for minutes and checked-out the heat sink - barely warm to the touch. The K1 PA is the same transistor used in the K2 PA scheme - just a single unit instead of a pair. It's beefy, conservative and cool-running.

Next, Wayne wanted to show-off the K1's spiffy break-in keying features. This naturally lead to a copying-between-the-dits contest at 40 to 50 wpm. While I was literally blown away by the AF section, the keying/break-in characteristics of the K1 really claim the bragging rights in this review. The little K1 is one of the cleanest CW rigs I've ever used. Wayne hints that the K1 might be his lifetime personal-best in keying/break-in design - ultra clean -- no clicks, no chirps, no leading artifacts, no trailing artifacts. Just pure CW music. I wouldn't say it smokes the K2 - but it's the finest keying rig near its price-point that I've ever used.

What about the internal battery option? Elecraft says, first things first! They've finished the design and now it's a matter of scrambling to get all the components in and the documentation finished. Field test is coming, but not immediately.

The really good news is there won't be a raft of after-market K1 mods for AF Gain, RF-Out or keying characteristics - that's already been designed by Elecraft. And, if you want a 'taste' of K1 AF-Gain, just rent a copy of 'Spinal Tap' - that should keep you entertained!

Stay tuned,

Conrad Weiss - NN6CW

Date: Fri, 14 Jul 2000 14:13:40 -0500
From: "George , W5YR" <w5yr@att.net>
To: qrp-L@Lehigh.EDU
Subject: [75107] Networks?
Message-ID: <396F6663.27DF11E0@att.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is anyone else noticing the extreme delays in accessing most any Web site? I have tried several and nothing is going through, not even Yahoo. I have email and news-server operation but that is all.

Wonder if "Paul's Protons" have done a number on some critical satellites?

--

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
(12/99)

Date: Fri, 14 Jul 2000 12:18:28 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [75108] TR Circuit Question
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBC6F@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

I am thinking about using a diode TR circuit between a homebrew multiband transmitter and an existing receiver. The receiver or transmit diodes are biased +9 to +14V to conduct from the antenna to receiver or transmitter...etc.
What maximum RF power will the diodes handle?
What type of diodes are recommended?

Thanks, 72/3
Jay
W6CJ

Date: Fri, 14 Jul 2000 15:39:27 -0400
From: Richard Powell <ripowell@mpna.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75109] RE: Networks?
Message-ID: <01BFEDA9.B2159CC0.ripowell@mpna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Overall Internet statistics currently show packet loss at over 10%.
this is a VERY high number
directly attributing this to the flare/protons is probably NOT valid.
although,,,,
total increase in internet traffic associated with people looking at
solar conditions, and related info could have caused this just do
to an above average internet utilization...
(sorta the same thing happened when the Starr Report was released on the
internet.)

72 & oo's

/rick

-

Richard Powell, WB6JBM, TENTEN 13044, QRP-L 1118,
FPQRP-2, QRP-ARCI 10414
Senior Network Engineer, Belcan IT Division
MCSE, CNA.
ripowell@mpna.com <http://www.mpna.com/ripowell>

On Friday, July 14, 2000 3:14 PM, George , W5YR [SMTP:w5yr@att.net] wrote:

> Is anyone else noticing the extreme delays in accessing most any Web
> site? I have tried several and nothing is going through, not even Yahoo.
> I have email and news-server operation but that is all.
>
> Wonder if "Paul's Protons" have done a number on some critical
> satellites?
>
> --
> 72/73, George W5YR - the Yellow Rose of Texas
> Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
> Amateur Radio W5YR, in the 54th year and it just keeps getting better!
> R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
> (12/99)

Date: Fri, 14 Jul 2000 20:45:07 +0100
From: "M0CQG" <m0cqg@dial.pipex.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75110] Help! Ten-tec 1340 build problem!
Message-ID: <000c01bfedcc\$370d6800\$fa0dbc3e@UKsolsf56>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi all

Oh no, I hope someone can help!

I'm building a Ten-Tec 1340 and have successfully completed stages 1 through 4, including testing up to stage 3 (stage 4 doesn't have a test phase). Everything's OK thus far, switching circuitry is fine, VFO is fine. I've now done stage 5, however, and in the test phase for that I cannot hear any signal from my test signal source (I've tried two different sources - my MFJ-259B analyser and my TS950SD qro rig, so one of those must be working!).

This is exactly the same stage I got to with my last 1340 (which awaits completion one day!), so I'm pretty sure I've made the same mistake on both. I can hear a hiss in the speaker, but not matter how far up and down I tune, I can't hear a signal. I wonder if it's the temporary installation of the 1uF electrolytic cap that's the problem? I have the negative leg connected to the positive pad of position C25, and the positive leg connected to the negative pad of C12. I've also tried this with the positive and negative leads of the cap swapped round , but no difference.

Help, what have I done wrong? I was *so* careful with the construction of this - I've checked all the solder joints - everything looks fine, and I can't find any bridges :-(

Any assistance would be *greatly* appreciated. On the upside, if I can get this sorted then it'll spur me on to resurrect my other 1340 - would make a nice present for my dad! On the downside, if I can't sort it out, I have two unfinished kits and a hole in my wallet!!

72

Mike
M0CQG

Date: Fri, 14 Jul 2000 15:25:13 -0500
From: "Tom Whiteside" <n5tw@igg-tx.net>
To: "QRP-L" <QRP-L@Lehigh.EDU>
Subject: [75111] FOX: Preliminary results for N 5 Time Wrong
Message-ID: <001301bfedd1\$9ddfc960\$3321f0cd@g517v>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Ok, below is the preliminary log - please send me any corrections! Thanks for the workout and thanks for the many kind comments on my dumb mistake on the time!!!! You are a forgiving group and it is appreciated! We had more dups than normal but that is to be expected with the hounds understandably confused about what the heck I was doing the first hour! Congratulations to WA7SPY - a first time hunter who handled the contact beautifully and had the keen hound instinct to arrive at the hunt early... Here are the overall results with the log appended on the end. Glad to QSL to any that want one - just send a QSL if you want one - no SASE needed... And sorry to all those I missed!

Tom Whiteside
N5TW Georgetown, TX

=====

FOX HUNT SUMMARY SHEET : 14-Jul-00

Callsign Used : N5TW Operator : N5TW Category : FOX

Default Exchange : 559 TX TOM 1474

Name : TOM WHITESIDE
Address : 228 WIND RIDGE COVE
City/State/Zip : GEORGETOWN/TX/78628
Country : United States

Team/Club : BIG DAWGS

BAND	Raw QS0s	Valid QS0s	Points

20CW	70	70	67

Totals	70	70	67

FOX CREDIT 1 QS0

Final (preliminary) Score = 68 points.

=====

SUMMER FOX HUNT N5TW

Band	Date	Time	QS0#	Call worked
Pts				

Mode	Date	Time	Index	Call	Frequency	Power	Bandwidth	Modulation	Notes
20CW	14-Jul-00	00:03	1	K1JD	559 RI JOHN 1945				1
20CW	14-Jul-00	00:06	2	N4SO	599 AL KEN 622				1
20CW	14-Jul-00	00:07	3	KU4AF	559 NC JOHN 987				1
20CW	14-Jul-00	00:10	4	WB5GWB	559 NY JEFF 608				1
20CW	14-Jul-00	00:16	5	K0ZK	599 ME ARN 1W				1
20CW	14-Jul-00	00:18	6	KG4BIG	559 KY KEN 1974				1
20CW	14-Jul-00	00:26	7	AG0T	559 ND TODD 2111				1
20CW	14-Jul-00	00:30	8	W0CH	559 MO DAVE 618				1
20CW	14-Jul-00	00:32	9	K6VNX	599 CA ARLEN 5W				1
20CW	14-Jul-00	00:34	10	WZ2T	599 NY RICK 122				1
20CW	14-Jul-00	00:37	11	W1R0/7	579 NV JIM 2207				1
20CW	14-Jul-00	00:39	12	AJ4AY	579 AL JAY 1372				1
20CW	14-Jul-00	00:40	13	KA9TXE	559 IL TERRY 977				1
20CW	14-Jul-00	00:41	14	NK7M	599 AZ BOB 271				1
20CW	14-Jul-00	00:46	15	N7CQR	559 OR DAN 502				1
20CW	14-Jul-00	00:47	16	K0EVZ	589 ND DOC 861				1
20CW	14-Jul-00	00:48	17	K5AAR	559 OK DON 1512				1
20CW	14-Jul-00	00:50	18	W0AV	559 MO GEORGE 1866				1
20CW	14-Jul-00	00:51	19	K4LL	569 KY JOE 5W				1
20CW	14-Jul-00	00:53	20	AF4PP	579 GA CHUCK 1785				1
20CW	14-Jul-00	00:54	21	N4ROA	599 VA DAN 970				1
20CW	14-Jul-00	00:55	22	N1TP	579 FL TOM 1317				1
20CW	14-Jul-00	00:57	23	WA7SPY	559 CA GLENN 5W				1
20CW	14-Jul-00	00:58	24	KA1DDB	599 MI MIKE 2064				1
20CW	14-Jul-00	01:00	25	WW1R/M	559 CO LARRY 1474(MY #!)				1
20CW	14-Jul-00	01:03	26	VE6JAZ	539 AB ROB 50W				1
20CW	14-Jul-00	01:04	27	K8CV	559 MI WALT 935				1
20CW	14-Jul-00	01:05	28	NK7M	599 AZ BOB 271				0
20CW	14-Jul-00	01:06	29	AJ4Y	599 FL PAUL 1795				1
20CW	14-Jul-00	01:07	30	KG4BIG	559 KY KEN 1974				0
20CW	14-Jul-00	01:08	31	NW7DX	559 WA BEN 1892				1
20CW	14-Jul-00	01:10	32	N5GJQ	579 LA MIKE 5W				1
20CW	14-Jul-00	01:11	33	WS4S	589 TN CON 993				1
20CW	14-Jul-00	01:13	34	VA6RF	559 AB EARL 1076				1
20CW	14-Jul-00	01:14	35	W8DIZ	559 OH DIZ 1998				1
20CW	14-Jul-00	01:15	36	W2APF	599 MA THAINE 2062				1
20CW	14-Jul-00	01:18	37	WB8YYY	559 MD CURT 2115				1
20CW	14-Jul-00	01:19	38	AE9F	579 CA DAN 5W				1
20CW	14-Jul-00	01:20	39	W7QQQ	559 AZ JACK 1210				1
20CW	14-Jul-00	01:22	40	W5YR	559 TX GEO 1373				1
20CW	14-Jul-00	01:23	41	W7ILW	559 AZ HOWARD 2010				1
20CW	14-Jul-00	01:23	42	KA5T	599 TX LARRY 89				1

20CW	14-Jul-00	01:24	43	AF4PS	579 FL MAC 704	1
20CW	14-Jul-00	01:25	44	N5ZE	559 TX LEW 2178	1
20CW	14-Jul-00	01:27	45	K8GT	559 OH ANTHONY 453	1
20CW	14-Jul-00	01:28	46	K3NY	599 MD NICK 1927	1
20CW	14-Jul-00	01:31	47	KC1FB	589 CT JIM 29	
1						
20CW	14-Jul-00	01:32	48	W1R0/7	559 NV JIM 2207	0
20CW	14-Jul-00	01:33	49	W6ABC	559 CA JACK 2193	1
20CW	14-Jul-00	01:34	50	AC7CF	559 UT ANDY 2180	1
20CW	14-Jul-00	01:36	51	KE1LA	579 ME JOEL 2207	1
20CW	14-Jul-00	01:37	52	NV4V	559 KY PETE 1721	1
20CW	14-Jul-00	01:40	53	KB7WW	449 OR ART 290	1
20CW	14-Jul-00	01:42	54	WB8RCR	589 MI JOHN 2446	1
20CW	14-Jul-00	01:43	55	NQ7X	559 AZ FLOYD 343	1
20CW	14-Jul-00	01:44	56	VA7NT	559 BC PAUL 20	1
20CW	14-Jul-00	01:45	57	N6WG	569 CA BOB 26	1
20CW	14-Jul-00	01:45	58	N6MM	589 CA HARVEY 5W	1
20CW	14-Jul-00	01:47	59	K1QM	559 MA JOEL 337	1
20CW	14-Jul-00	01:48	60	NK9G	549 WI RICK 2061	1
20CW	14-Jul-00	01:49	61	N5IB	559 LA JIM 1913	
1						
20CW	14-Jul-00	01:50	62	WE7G	559 UT WAYNE 481	1
20CW	14-Jul-00	01:52	63	K4LKL	579 FL PAUL 5W	1
20CW	14-Jul-00	01:54	64	W7MD	599 AZ DAMON 2190	1
20CW	14-Jul-00	01:55	65	AK1P	559 CA PAUL 284	1
20CW	14-Jul-00	01:56	66	K5DI	599 TX KARL 33	
1						
20CW	14-Jul-00	01:57	67	NM5M	559 TX ERIC 1824	1
20CW	14-Jul-00	01:57	68	N8IE	559 OH DAN 1404	
1						
20CW	14-Jul-00	01:59	69	K1CL	559 MA CHUCK 217	1
20CW	14-Jul-00	01:59	70	N1FN	559 CO ET 153	
1						

Date: Fri, 14 Jul 2000 15:35:30 CDT
 From: "jimmie newburry" <jnewburry@hotmail.com>
 To: qrp-l@Lehigh.EDU
 Subject: [75112] help w/ HQ 145 reciever

Message-ID: <20000714203530.31380.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

hi all,
once again great list and great people. i need help with my hammarlund hq
145 reciever. i was reception problems in the higher bands and pulled it
apart to take a look, well to my suprise there are 2 tubes missing and that
circuit has been wired out. it looks to me as if one of the transformers
blew up. well what i am looking for is a maintenance manual and schematic,
or anything i can find as i would like to restore it to optimal operation.
p.s. i have no clue as to what most of the dials are for on this reciever
such as slot etc. anyone with this receiver should know what i mean.
thanks, if you can help please do.
jimmie kd5kac
san antonio, tx

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Fri, 14 Jul 2000 16:36:59 EDT
From: PDouglas12@aol.com
To: m0cqg@dial.pipex.com, qrp-1@lehigh.edu
Subject: [75113] Re: Help! Ten-tec 1340 build problem!
Message-ID: <ae.7c0b1a8.26a0d3eb@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

The problem with the 13xx series is the fault of Ten-Tec. Their instructions
for the installation of the temporary cap are ambiguous--indeed the written
instructions don't match the picture in the manual. Just study the
schematic, and you'll see where that temporary cap goes. You have four holes
there, and you have the cap in the wrong two. I found this problem also
occurred with another builder who had brought his 13XX for troubleshooting at
the same stage. The solution is obvious after you look at the schematic and
see where the cap is supposed to connect--then follow the trace to the audio
IC. Once you move that cap, the radio (actually both of them!) should come
to life. Hey Ten Tec, haven't you fixed the manual yet? Shame on you.

Preston WJ2V

Date: Fri, 14 Jul 2000 21:50:34 +0100
From: "M0CQG" <m0cqg@dial.pipex.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: "Robert McAtee" <w5tnj@camalott.com>
Subject: [75114] Re: Help! Ten-tec 1340 build problem!
Message-ID: <004e01bfedd5\$4a9292c0\$fa0dbc3e@UKsolstf56>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow - I've found the problem!! My fault or Ten-Tec's? I don't know. Seems their diagram in the manual showing the placement of the temporary 1uF cap is *very* misleading. I followed the circuit diagram through (shoulda done that in the first place!!) and connected it to the correct pads, and now everything is just dandy!!

Thanks to everyone who replied, and all so quickly - what a great bunch of guys. I really appreciate it!

Now, I think I'll dig out the other 1340 :-)

72

Mike
M0CQG

----- Original Message -----

From: "M0CQG" <m0cqg@dial.pipex.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: 14 July 2000 20:45
Subject: Help! Ten-tec 1340 build problem!

> Hi all
>
> Oh no, I hope someone can help!
>
> I'm building a Ten-Tec 1340 and have successfully completed stages 1
through
> 4, including testing up to stage 3 (stage 4 doesn't have a test phase).
> Everything's OK thus far, switching circuitry is fine, VFO is fine. I've
now
> done stage 5, however, and in the test phase for that I cannot hear any
> signal from my test signal source (I've tried two different sources - my
> MFJ-259B analyser and my TS950SD qro rig, so one of those must be
working!).
>
> This is exactly the same stage I got to with my last 1340 (which awaits
> completion one day!), so I'm pretty sure I've made the same mistake on

both.

> I can hear a hiss in the speaker, but not matter how far up and down I tune,

> I can't hear a signal. I wonder if it's the temporary installation of the
> 1uF electrolytic cap that's the problem? I have the negative leg connected
> to the positive pad of position C25, and the positive leg connected to the
> negative pad of C12. I've also tried this with the positive and negative
> leads of the cap swapped round , but no difference.

>

> Help, what have I done wrong? I was *so* careful with the construction of
> this - I've checked all the solder joints - everything looks fine, and I
> can't find any bridges :-(

>

> Any assistance would be *greatly* appreciated. On the upside, if I can get
> this sorted then it'll spur me on to resurrect my other 1340 - would make
a

> nice present for my dad! On the downside, if I can't sort it out, I have
two

> unfinished kits and a hole in my wallet!!

>

> 72

>

> Mike

> M0CQG

>

>

Date: Fri, 14 Jul 2000 22:09:52 +0100

From: "M0CQG" <m0cqg@dial.pipex.com>

To: <zmola@campbellsci.com>

Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [75115] Re: Help! Ten-tec 1340 build problem!

Message-ID: <005901bfedd8\$02e145e0\$fa0dbc3e@UKsolsf56>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Carl - OK, the negative leg of the 1uF cap should be connected to the round (not square) pad of position C12 (nearest the volume pot). The positive leg of the cap should be connected to the round (not square) pad of position C25, nearest the crystal.

Good luck!

72

Mike
M0CQG

----- Original Message -----

From: <zmola@campbellsci.com>

To: <m0cqg@dial.pipex.com>

Sent: 14 July 2000 21:58

Subject: Re: Help! Ten-tec 1340 build problem!

> From: "M0CQG" <m0cqg@dial.pipex.com>

> <snip>

> > This is exactly the same stage I got to with my last 1340 (which awaits
> > completion one day!), so I'm pretty sure I've made the same mistake on
both.

>

> I've got one in the same state, so if you figure out the problem, then
> let me know. I just thought I blew up the input jfet.

>

>

>

> Carl

> zmola@campbellsci.com

Date: Fri, 14 Jul 2000 17:15:52 -0400

From: hattonte@gdls.com

To: qrp-1@Lehigh.EDU

Subject: [75116] Re: ANT: Ladderlin

Message-ID: <OFFFEFCAE62.5635EA48-ON8525691C.0074AA77@gdls.com>

MIME-Version: 1.0

Content-type: text/plain; charset=us-ascii

Thanks to all those twenty or so people who wrote directly to me with
balanced tuner info.

Of course, there were many duplicates. Here is a list of the best sites:

The 1990 ARRL balanced QRP tuner

<<http://www.arrl.org/tis/info/qrp-home.html>>

The Charlie Lofgren Zmatch article

<<http://www.pconline.com/~rohrwerk/k0jd/z-match.html>>

The Emtech ZM-2 Kit
<<http://www.emtech.steadynet.com>>

The Norcal BLT Kit
<<http://www.fix.net/~jparker/norcal/blt/blt.htm>>

The "Balanced Balanced Tuner" Article
<<http://www.vcnet.com/measures/bbat.html>>

Thanks for the bandwidth!
de Terry W1QF/8

Date: Fri, 14 Jul 2000 17:25:11 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [75117] OT: Kudos to Yaesu
Message-ID: <00fe01bfedd9\$ff2a1f60\$cfd179a5@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My 21 year old son, N4TAJ, is on a mobile trip from Michigan through IL, MN, ND, Montana, WA, OR and is now in California. He has his FT-100 and ATAS-100 (the mini screwdriver type antenna) mounted on his truck. This was all purchased in May and he had a problem with the ATAS-100 not re-extending after being fully retracted. He sent it back to the mail order place he bought it from and the repair job was not done properly. The antenna would re-extend itself, but usually only after a good whack and even then it was touch and go. He had no time to return it to the mail order store or to Yaesu before his trip, and since it sorta worked, he wanted to have it with him.

I suggested to him that he stop at Yaesu when in CA to see if they could fix it and gave him their phone number and address in Cerritos. He didn't think about it very seriously because he had his vacation on his mind, places to go, people to see, etc.

He stopped for lunch and gas today and couldn't find a decent place to eat, so he looked on his map software (hooked up to GPS -- this kid's hi-tech all the way!) and noticed he was only a half mile from Cerritos and Yaesu! For the heck of it, he stopped in there and they fixed it for him while he went

to lunch. Took an hour and a half. No charge and no hassle. Very friendly folks. All they did was call the mail order place to confirm his purchase date, since he didn't have his receipt.

I know this is off topic, but I think it's nice to see this kind of service in this day and age. I'm sure everyone has tales of woe to tell about every one of the big manufacturers, but I thought I'd relate this "good" story to the list.

Dave K8TRF

Date: Fri, 14 Jul 2000 15:34:45 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu, cqclist@cqc.org
Subject: [75118] Run for the Trees
Message-ID: <396F3315.29272.CEF993@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The Colorado QRP Club's annual picninc meeting is tomorrow, and a feature of the picnic will be the now traditional Run for the Trees (or Run for the Bush) as some call it.

CQC members start from the picnic pavilion and have to walk, run, or stumble a certain minimum distance carrying all of their gear, then set up and operate a station as quickly as possible. There will be prizes for the op who gets a signal on the air first, and for the outright winner (first station to make an out of state QSO).

The Run should kick off around 1pm MST, and you might find Runners on any or all of 10/15/20/40M, near the QRP freq's of course, and depending on what radios the contestants feel like lugging out there.

Please keep an ear out if you are near a radio, and you might get your name in the papers.

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Fri, 14 Jul 2000 17:56:26 -0400
From: John AE5X <ae5x@juno.com>
To: qrp-l@lehigh.edu
Subject: [75119] DSW rig modifications
Message-ID: <20000714.175626.13678.5.ae5x@juno.com>

I want to thank Mike KK5F and Bruce N7RR for passing along their modifications for DSW rigs. I have posted them on my page and will soon be adding mods for the Wilderness SST and NC-40A rigs as well.

John Harper, AE5X
HW-9, OHR-100A/20, NC40A, SST/30, SST/40, DSW/20
Outdoor QRP <http://www.qsl.net/ae5x>

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Fri, 14 Jul 2000 16:19:13 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75120] More radial questions
Message-ID: <Pine.OSF.4.20.0007141617030.22837-100000@duke.usask.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

I have an antenna (Hy-Gain 14AVQ) located beside a metal shed that is about 7 ft. high. If I were to mount the antenna 7 ft. off the ground could I still use radials or would I need a counterpoise instead?

Brian.

Brian Buydens
Veterinary Electronic Data Specialist
Computing Services, University of Saskatchewan
email: Brian.Buydens@usask.ca
<http://duke.usask.ca/~buydens>
VE5RDV

Did you hear about the two antennas that got married? The wedding was a disaster but the reception was great!

Date: Fri, 14 Jul 2000 18:24:55 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [75121] 1/2 wave on multibands
Message-ID: <cc.74ee3f8.26a0ed37@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

My 1/2 wave vertical on 20M with 1/4 wave ladderline matching section is a perfect match on 20M. I can operate this on other bands (40M and 15M) with an ATU.

QUESTION: Is the efficiency operating this way on the other bands poor and it would be better to disconnect the match line and use 4 elevated radials? Or is it pretty much a wash and just use the tuner?

The antenna is the DK9SQ with base elevated about 5 ft

Alan KB7MBI

ps that 1/2 wave is one of the best portable antennas I have used. It takes only a few moments to erect and no tuning needed over the cw portion of the 20M band. hat mast was worth the investment to me---

Date: Fri, 14 Jul 2000 17:50:00 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [75122] AT Alert-Maine
Message-ID: <200007142227.SAA03599@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi Gang,

If your hanging around the shack tomorrow afternoon, look for me on

7.04 or 14.06 +/- operating from the AT on Baldpate Mountain, in Maine. I'm no early riser (one reason I'm not headed for Lobstercon) and it's a long, steep climb to the top, so don't expect to be on the air much before 1 pm EDT or so. Lets hope I don't chance into the chance of showers :-)

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Fri, 14 Jul 2000 18:52:27 EDT
From: Shepherd@aol.com
To: qrp-l@lehigh.edu
Subject: [75123] Re: More radial questions
Message-ID: <a7.5a1eeff.26a0f3ab@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 7/14/00 6:20:09 PM Eastern Daylight Time,
buydens@duke.usask.ca writes:

> have an antenna (Hy-Gain 14AVQ) located beside a metal shed that is
> about 7 ft. high. If I were to mount the antenna 7 ft. off the ground
> could I still use radials or would I need a counterpoise instead?
>
> Brian.

Brian,
the 18AVQ calls for radials cut to frequency if the antenna is mounted more
than 2' off the ground.

Mine is about 20' up and I use radials for 10, 15, 20, and 40. It's works
very well.

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-l #1404, FISTS #4985, Zombie #667, SOC #284
<http://members.aol.com/shepherd/n8ie.htm>

Date: Fri, 14 Jul 2000 18:56:36 EDT
From: NB6M@aol.com
To: PDouglas12@aol.com

Cc: qrp-1@lehigh.edu
Subject: [75124] Re: Help! Ten-tec 1340 build problem!
Message-ID: <f3.d7cb3a.26a0f4a4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Yep,

That same problem in the manual exists (or did) for the T-1330 also. A friend of mine was building one and came to that same spot and couldn't get anything. He brought it to me, and when we looked at the circuit, the manual misprint problem became obvious.

So, builders of the T-1330 be aware of this also.

Wayne NB6M

End of QRP-L Digest 1882

